```
=> d his

     (FILE 'HOME' ENTERED AT 10:08:35 ON 22 MAR 2005)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005
L1       1297642 S KINASE?
L2          2521 S RHO (2W)RAC
L3          1146 S L1 AND L2
L4           438 S HUMAN AND L3
L5       6982197 S CLON? OR EXPRESS? OR RECOMBINANT
L6           214 S L4 AND L5
L7           107 DUP REM L6 (107 DUPLICATES REMOVED)
L8          1579 S CITRON
L9             6 S L7 AND L8
                 E WEBSTER M/AU
L10          852 S E3
                 E YAN C/AU
L11         1111 S E3
                 E DIFRANCESCO V/AU
L12          117 S E3-E4
                 E BEASLEY E M/AU
L13          324 S E3
L14         2248 S L10 OR L11 OR L12 OR L13
L15            0 S L3 AND L14
L16            0 S L2 AND L15
L17            3 S L2 AND L14
L18       482974 S L1 AND HUMAN
L19       241097 S L5 AND L18
L20          116 S L14 AND L19
L21           95 DUP REM L20 (21 DUPLICATES REMOVED)

=>
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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded

NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 10:08:35 ON 22 MAR 2005

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE 'SCISEARCH' ENTERED AT 10:09:02 ON 22 MAR 2005
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FILE 'HCAPLUS' ENTERED AT 10:09:02 ON 22 MAR 2005
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FILE 'LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005
COPYRIGHT (C) 2005 Cambridge Scientific Abstracts (CSA)

=> s kinase?
L1 1297642 KINASE?

=> s rho 92w)rac
UNMATCHED RIGHT PARENTHESIS '92W)RAC'
The number of right parentheses in a query must be equal to the number of left parentheses.

=> s rho (2w)rac
L2 2521 RHO (2W) RAC

=> s l1 and l2
L3 1146 L1 AND L2

=> s human and l3
4 FILES SEARCHED...
L4 438 HUMAN AND L3

=> s clon3 or express3 or recombinant

```
3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s clon? or express? or recombinant
   2 FILES SEARCHED...
   5 FILES SEARCHED...
L5     6982197 CLON? OR EXPRESS? OR RECOMBINANT

=> s l4 and l5
L6          214 L4 AND L5

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7           107 DUP REM L6 (107 DUPLICATES REMOVED)

=> d 1-107 ibib

L7   ANSWER 1 OF 107     MEDLINE on STN                DUPLICATE 1
ACCESSION NUMBER:   2005047345     MEDLINE
DOCUMENT NUMBER:    PubMed ID: 15531589
TITLE:              Clostridium difficile toxin A induces expression
                    of the stress-induced early gene product RhoB.
AUTHOR:             Gerhard Ralf; Tatge Helma; Genth Harald; Thum Thomas;
                    Borlak Jurgen; Fritz Gerhard; Just Ingo
CORPORATE SOURCE:   Institute of Toxicology, Hannover Medical School,
                    Carl-Neuberg-Strasse 1, 30625 Hannover, Germany..
                    gerhard.ralf@mh-hannover.de
SOURCE:             Journal of biological chemistry, (2005 Jan 14) 280 (2)
                    1499-505.  Electronic Publication: 2004-11-05.
                    Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY:       United States
DOCUMENT TYPE:      Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:           English
FILE SEGMENT:       Priority Journals
ENTRY MONTH:        200502
ENTRY DATE:         Entered STN: 20050129
                    Last Updated on STN: 20050301
                    Entered Medline: 20050225

L7   ANSWER 2 OF 107  HCAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:        2004:634054  HCAPLUS
DOCUMENT NUMBER:         141:167789
TITLE:                   Sixty-eight novel genes differentially
                         expressed in tissues relating to urol.
                         disorder and uses thereof in diagnosis, drug screening
                         and treatment of related diseases
INVENTOR(S):             Karicheti, Venkateswarlu; Silos-Santiago, Inmaculada;
                         Eliasof, Scott D.
PATENT ASSIGNEE(S):      Millennium Pharmaceuticals, Inc., USA
SOURCE:                  PCT Int. Appl., 542 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    -------------------    --------
     WO 2004065576        A2    20040805    WO 2004-US750          20040114
         W:  AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG,
             BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR,
```

CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES,
ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN,
IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC,
LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX,
MZ, MZ, NA, NI

US 2004197825	A1	20041007	US 2004-757262		20040114
PRIORITY APPLN. INFO.:			US 2003-440318P	P	20030115
			US 2003-444783P	P	20030204
			US 2003-457901P	P	20030327
			US 2003-468775P	P	20030508
			US 2003-471614P	P	20030519
			US 2003-478742P	P	20030616
			US 2003-488529P	P	20030718
			US 2003-491156P	P	20030730
			US 2003-499594P	P	20030902
			US 2003-506332P	P	20030926

L7 ANSWER 3 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:452980 HCAPLUS
DOCUMENT NUMBER: 141:33766
TITLE: Methods for assessing the anti-cancer activity of a KIT tyrosine **kinase** inhibitor, gastrointestinal stromal tumor treatment, and assessing cancer progression, using gene **expression** profiling
INVENTOR(S): Eisenberg, Burton; Von Mehren, Margaret; Frolov, Andrey; Godwin, Andrew
PATENT ASSIGNEE(S): Fox Chase Cancer Center, USA
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045545	A2	20040603	WO 2003-US36820	20031118
WO 2004045545	A3	20040812		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:			US 2002-427326P	P 20021118

L7 ANSWER 4 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:430923 HCAPLUS
DOCUMENT NUMBER: 141:1221
TITLE: Surrogate marker gene **expression**-based methods for identifying antineoplastic agents
INVENTOR(S): Fanton, Christie; Mackichan, Mary Lee
PATENT ASSIGNEE(S): Chiron Corporation, USA
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004044154	A2	20040527	WO 2003-US35688	20031107

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:	US 2002-426074P	P	20021107
	US 2003-487228P	P	20030716
	US 2003-516738P	P	20031104

L7 ANSWER 5 OF 107 MEDLINE on STN DUPLICATE 2

ACCESSION NUMBER: 2004586591 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15337751
TITLE: Impact of engagement of FcepsilonRI and CC chemokine receptor 1 on mast cell activation and motility.
AUTHOR: Toda Masako; Dawson Maria; Nakamura Takao; Munro Peter M G; Richardson Ricardo Micheler; Bailly Maryse; Ono Santa Jeremy
CORPORATE SOURCE: Division of Ocular Immunology, Institutes of Ophthalmology, University College London, London EC1V 9EL, United Kingdom.
CONTRACT NUMBER: 1R01EY011901 (NEI)
5R01EY012523 (NEI)
7R01GM049661 (NIGMS)
T32EY007156 (NEI)
SOURCE: Journal of biological chemistry, (2004 Nov 12) 279 (46) 48443-8. Electronic Publication: 2004-08-26.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200501
ENTRY DATE: Entered STN: 20041125
Last Updated on STN: 20050122
Entered Medline: 20050121

L7 ANSWER 6 OF 107 MEDLINE on STN DUPLICATE 3

ACCESSION NUMBER: 2004474703 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15385472
TITLE: Escherichia coli cytotoxic necrotizing factor 1 inhibits intestinal epithelial wound healing in vitro after mechanical injury.
AUTHOR: Brest Patrick; Turchi Laurent; Le'Negrate Gaelle; Berto Frederick; Moreilhon Chimene; Mari Bernard; Ponzio Gilles; Hofman Paul
CORPORATE SOURCE: Equipe INSERM 0215, Faculte de Medecine, Nice, France.
SOURCE: Infection and immunity, (2004 Oct) 72 (10) 5733-40.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200410
ENTRY DATE: Entered STN: 20040924

Last Updated on STN: 20041026
Entered Medline: 20041025

L7 ANSWER 7 OF 107 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 2004483047 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15452051
TITLE: Corneal fibroblasts respond rapidly to changes in local mechanical stress.
AUTHOR: Petroll W Matthew; Vishwanath Mridula; Ma Lisha
CORPORATE SOURCE: Department of Ophthalmology, University of Texas Southwestern Medical Center, Dallas, Texas 75390-9057, USA.. matthew.petroll@utsouthwestern.edu
CONTRACT NUMBER: EY13322 (NEI)
SOURCE: Investigative ophthalmology & visual science, (2004 Oct) 45 (10) 3466-74.
Journal code: 7703701. ISSN: 0146-0404.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200411
ENTRY DATE: Entered STN: 20040929
Last Updated on STN: 20041106
Entered Medline: 20041106

L7 ANSWER 8 OF 107 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2004270726 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15169836
TITLE: A screen for modifiers of RacGAP(84C) gain-of-function in the Drosophila eye revealed the LIM **kinase** Cdi/TESK1 as a downstream effector of Rac1 during spermatogenesis.
AUTHOR: Raymond Karine; Bergeret Evelyne; Avet-Rochex Amelie; Griffin-Shea Ruth; Fauvarque Marie-Odile
CORPORATE SOURCE: CEA-Grenoble, Departement de Reponse et Dynamique Cellulaires, UMR 5092, 17 rue des Martyrs, 38054 Grenoble CEDEX 9, France.
SOURCE: Journal of cell science, (2004 Jun 1) 117 (Pt 13) 2777-89.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200501
ENTRY DATE: Entered STN: 20040602
Last Updated on STN: 20050114
Entered Medline: 20050113

L7 ANSWER 9 OF 107 EMBASE
on STN DUPLICATE 6
ACCESSION NUMBER: 2004146852 EMBASE
TITLE: DIP (mDia interacting protein) is a key molecule regulating **Rho** and **Rac** in a Src-dependent manner.
AUTHOR: Meng W.; Numazaki M.; Takeuchi K.; Uchibori Y.; Ando-Akatsuka Y.; Tominaga M.; Tominaga T.
CORPORATE SOURCE: T. Tominaga, Dept. of Cell. and Molec. Physiology, Mie University School of Medicine, Tsu, Mie 514-8507, Japan. ttomoko@doc.medic.mie-u.ac.jp
SOURCE: EMBO Journal, (25 Feb 2004) 23/4 (760-771).
Refs: 31
ISSN: 0261-4189 CODEN: EMJODG
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 10 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2003612591 MEDLINE
DOCUMENT NUMBER: PubMed ID: 14578357
TITLE: Rho GTPases and phosphoinositide 3-**kinase** organize formation of branched dendrites.
AUTHOR: Leemhuis Jost; Boutillier Stephanie; Barth Holger; Feuerstein Thomas J; Brock Carsten; Nurnberg Bernd; Aktories Klaus; Meyer Dieter K
CORPORATE SOURCE: Institut fur Experimentelle und Klinische Pharmakologie und Toxikologie, Albert-Ludwigs-Universitat, Freiburg, Germany.
SOURCE: Journal of biological chemistry, (2004 Jan 2) 279 (1) 585-96. Electronic Publication: 2003-10-24. Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200403
ENTRY DATE: Entered STN: 20031230
Last Updated on STN: 20040304
Entered Medline: 20040303

L7 ANSWER 11 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:345993 HCAPLUS
DOCUMENT NUMBER: 140:372453
TITLE: CD29 integrin- and LIMK1/cofilin-mediated actin reorganization regulates the migration of hematopoietic progenitor cells underneath bone marrow stromal cells
AUTHOR(S): Konakahara, Shu; Ohashi, Kazumasa; Mizuno, Kensaku; Itoh, Katsuhiko; Tsuji, Takashi
CORPORATE SOURCE: Department of Biological Science and Technology, Faculty of Industrial Science and Technology, and Tissue Engineering Research Centre, Research Institute of Biological Science, Tokyo University of Science, Chiba, 278-8510, Japan
SOURCE: Genes to Cells (2004), 9(4), 345-358
CODEN: GECEFL; ISSN: 1356-9597
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:627773 HCAPLUS
DOCUMENT NUMBER: 142:3781
TITLE: Rac-induced increase of phosphorylation of myosin regulatory light chain in HeLa cells
AUTHOR(S): Brzeska, Hanna; Szczepanowska, Joanna; Matsumura, Fumio; Korn, Edward D.
CORPORATE SOURCE: Laboratory of Cell Biology, National Heart, Lung, and Blood Institute, Bethesda, MD, USA
SOURCE: Cell Motility and the Cytoskeleton (2004), 58(3), 186-199
CODEN: CMCYEO; ISSN: 0886-1544
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English

REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:190313 HCAPLUS
DOCUMENT NUMBER: 140:284803
TITLE: Myosin-mediated cytoskeleton contraction and Rho GTPases regulate laminin-5 matrix assembly
AUTHOR(S): DeHart, Gregory W.; Jones, Jonathan C. R.
CORPORATE SOURCE: Department of Cell and Molecular Biology, The Feinberg School of Medicine at Northwestern University, Chicago, IL, 60611, USA
SOURCE: Cell Motility and the Cytoskeleton (2004), 57(2), 107-117
CODEN: CMCYEO; ISSN: 0886-1544
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:237244 SCISEARCH
THE GENUINE ARTICLE: 780RF
TITLE: The role of the guanine nucleotide exchange factor Tiam1 in cellular migration, invasion, adhesion and tumor progression
AUTHOR: Minard M E; Kim L S; Price J E; Gallick G E (Reprint)
CORPORATE SOURCE: Univ Texas, MD Anderson Canc Ctr, Dept Canc Biol, 1515 Holcombe Blvd, Box 179, Houston, TX 77030 USA (Reprint); Univ Texas, MD Anderson Canc Ctr, Dept Canc Biol, Houston, TX 77030 USA; Univ Texas, Grad Sch Biomed Sci, Program Canc Biol, Houston, TX USA
COUNTRY OF AUTHOR: USA
SOURCE: BREAST CANCER RESEARCH AND TREATMENT, (MAR 2004) Vol. 84, No. 1, pp. 21-32.
Publisher: KLUWER ACADEMIC PUBL, VAN GODEWIJCKSTRAAT 30, 3311 GZ DORDRECHT, NETHERLANDS.
ISSN: 0167-6806.
DOCUMENT TYPE: General Review; Journal
LANGUAGE: English
REFERENCE COUNT: 55
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 15 OF 107 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 7
ACCESSION NUMBER: 2003-11097 BIOTECHDS
TITLE: New **human** citron **rho/rac** -interacting **kinase**-short **kinase** polypeptide and polynucleotide for preventing or treating diseases associated with the polypeptide dysfunction, e.g. obesity or chronic obstructive pulmonary disease; **recombinant** protein production for use in disease therapy and gene therapy
AUTHOR: ZHU Z
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003004629 16 Jan 2003
APPLICATION INFO: WO 2002-EP7229 1 Jul 2002
PRIORITY INFO: US 2002-375015 25 Apr 2002; US 2001-301853 2 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-221595 [21]

L7 ANSWER 16 OF 107 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 8
ACCESSION NUMBER: 2003-11086 BIOTECHDS
TITLE: New **human** citron **rho/rac** -interacting **kinase** (CRIK) polypeptide and polynucleotide, useful in preventing, ameliorating or treating diseases associated with **human** CRIK dysfunction, e.g. obesity, diabetes or Alzheimer's disease; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: ZHU Z
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003004523 16 Jan 2003
APPLICATION INFO: WO 2002-EP7156 28 Jun 2002
PRIORITY INFO: US 2002-375014 25 Apr 2002; US 2001-301841 2 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-221576 [21]

L7 ANSWER 17 OF 107 MEDLINE on STN DUPLICATE 9
ACCESSION NUMBER: 2003398315 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12807879
TITLE: Pseudomonas aeruginosa ExoT ADP-ribosylates CT10 regulator of **kinase** (Crk) proteins.
AUTHOR: Sun Jianjun; Barbieri Joseph T
CORPORATE SOURCE: Department of Microbiology and Molecular Genetics, Medical College of Wisconsin, Milwaukee, Wisconsin 53226, USA.
CONTRACT NUMBER: AI30165 (NIAID)
HL68912 (NHLBI)
SOURCE: Journal of biological chemistry, (2003 Aug 29) 278 (35) 32794-800. Electronic Publication: 2003-06-13.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030826
Last Updated on STN: 20031003
Entered Medline: 20031002

L7 ANSWER 18 OF 107 MEDLINE on STN DUPLICATE 10
ACCESSION NUMBER: 2003143375 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12529371
TITLE: p21-activated protein **kinase** 4 (PAK4) interacts with the keratinocyte growth factor receptor and participates in keratinocyte growth factor-mediated inhibition of oxidant-induced cell death.
AUTHOR: Lu Yunbiao; Pan Zhong-Zong; Devaux Yvan; Ray Prabir
CORPORATE SOURCE: Yale University School of Medicine, New Haven, Connecticut 06510, USA.
CONTRACT NUMBER: HL 60207 (NHLBI)
HL 69810 (NHLBI)
SOURCE: Journal of biological chemistry, (2003 Mar 21) 278 (12) 10374-80. Electronic Publication: 2003-01-15.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AY217016

ENTRY MONTH: 200305
ENTRY DATE: Entered STN: 20030328
Last Updated on STN: 20030506
Entered Medline: 20030505

L7 ANSWER 19 OF 107 MEDLINE on STN DUPLICATE 11
ACCESSION NUMBER: 2003477958 MEDLINE
DOCUMENT NUMBER: PubMed ID: 14555990
TITLE: DroVav, the Drosophila melanogaster homologue of the mammalian Vav proteins, serves as a signal transducer protein in the Rac and DER pathways.
AUTHOR: Hornstein Idit; Mortin Mark A; Katzav Shulamit
CORPORATE SOURCE: The Hubert H Humphrey Center for Experimental Medicine & Cancer Research, The Hebrew University-Hadassah Medical School, Jerusalem 91120, Israel.
SOURCE: Oncogene, (2003 Oct 2) 22 (43) 6774-84.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20031015
Last Updated on STN: 20031107
Entered Medline: 20031106

L7 ANSWER 20 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2003452893 EMBASE
TITLE: DroVav, the Drosophila melanogaster homologue of the mammalian Vav proteins, serves as a signal transducer protein in the Rac and DER pathways.
AUTHOR: Hornstein I.; Mortin M.A.; Katzav S.
CORPORATE SOURCE: S. Katzav, Hubert H. Humphrey Ctr. Exp. Med. C., Hebrew Univ.-Hadassah Medical School, Jerusalem 91120, Israel. katzav@cc.huji.ac.il
SOURCE: Oncogene, (29 Sep 2003) 22/42 REV. ISS. 4 (6774-6784).
Refs: 75
ISSN: 0950-9232 CODEN: ONCNES
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 21 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2003409581 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12933863
TITLE: Cytotoxic necrotizing factor 1 of Escherichia coli stimulates Rho/Rho-**kinase**-dependent myosin light-chain phosphorylation without inactivating myosin light-chain phosphatase in endothelial cells.
AUTHOR: Essler Markus; Linder Stefan; Schell Barbara; Hufner Katharina; Wiedemann Agnes; Randhahn Katharina; Staddon James M; Aepfelbacher Martin
CORPORATE SOURCE: Institut fur Prophylaxe und Epidemiologie der Kreislaufkrankheiten, LMU Munchen, 80336 Munich, Germany.
SOURCE: Infection and immunity, (2003 Sep) 71 (9) 5188-93.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030903
Last Updated on STN: 20030930
Entered Medline: 20030929

L7 ANSWER 22 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 12
ACCESSION NUMBER: 2003:471373 BIOSIS
DOCUMENT NUMBER: PREV200300471373
TITLE: Mastoparan-indueed insulin secretion from insulin-secreting betaTC3 and INS-1 cells: Evidence for its regulation by Rho subfamily of G proteins.
AUTHOR(S): Amin, Rajesh H.; Chen, Hai-Qing; Veluthakal, Rajakrishnan; Silver, Robert B.; Li, JingSong; Li, Guodong; Kowluru, Anjaneyulu [Reprint Author]
CORPORATE SOURCE: Department of Pharmaceutical Sciences, College of Pharmacy and Health Professions, Wayne State University, 259 Mack Avenue, Detroit, MI, 48201, USA
akowluru@med.wayne.edu
SOURCE: Endocrinology, (October 2003) Vol. 144, No. 10, pp. 4508-4518. print.
CODEN: ENDOAO. ISSN: 0013-7227.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 15 Oct 2003
Last Updated on STN: 15 Oct 2003

L7 ANSWER 23 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:598978 HCAPLUS
DOCUMENT NUMBER: 139:228520
TITLE: Stimulation of MMP-7 (matrilysin) by Helicobacter pylori in **human** gastric epithelial cells: Role in epithelial cell migration
AUTHOR(S): Wroblewski, Lydia E.; Noble, P.-J. M.; Pagliocca, Adelina; Pritchard, D. Mark; Hart, C. Anthony; Campbell, Fiona; Dodson, Andrew R.; Dockray, Graham J.; Varro, Andrea
CORPORATE SOURCE: Physiological Laboratory, University of Liverpool, Liverpool, L69 3BX, UK
SOURCE: Journal of Cell Science (2003), 116(14), 3017-3026
CODEN: JNCSAI; ISSN: 0021-9533
PUBLISHER: Company of Biologists Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 24 OF 107 MEDLINE on STN DUPLICATE 13
ACCESSION NUMBER: 2003458104 MEDLINE
DOCUMENT NUMBER: PubMed ID: 14519669
TITLE: VEGF-A and alphaVbeta3 integrin synergistically rescue angiogenesis via N-Ras and PI3-K signaling in **human** microvascular endothelial cells.
AUTHOR: Liu Zhao-Jun; Snyder Ruthanne; Soma Akinobu; Shirakawa Takashi; Ziober Barry L; Fairman Ronald M; Herlyn Meenhard; Velazquez Omaida C
CORPORATE SOURCE: Department of Surgery, School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19104, USA.
SOURCE: FASEB journal : official publication of the Federation of American Societies for Experimental Biology, (2003 Oct) 17 (13) 1931-3. Electronic Publication: 2003-08-15.
Journal code: 8804484. ISSN: 1530-6860.
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20031002
Last Updated on STN: 20031113
Entered Medline: 20031112

L7 ANSWER 25 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2003392494 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12929934
TITLE: Regulation of parathyroid hormone-stimulated phospholipase D in UMR-106 cells by calcium, MAP **kinase**, and small G proteins.
AUTHOR: Singh Amareshwar T K; Bhattacharyya Rumi S; Radeff Julie M; Stern Paula H
CORPORATE SOURCE: Department of Molecular Pharmacology and Biological Chemistry, Northwestern University Feinberg School of Medicine, Chicago, Illinois 60611-3008, USA.
CONTRACT NUMBER: AR-11262 (NIAMS)
SOURCE: Journal of bone and mineral research : official journal of the American Society for Bone and Mineral Research, (2003 Aug) 18 (8) 1453-60.
Journal code: 8610640. ISSN: 0884-0431.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200404
ENTRY DATE: Entered STN: 20030822
Last Updated on STN: 20040402
Entered Medline: 20040401

L7 ANSWER 26 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:46815 BIOSIS
DOCUMENT NUMBER: PREV200400039592
TITLE: Mnk1 is required for angiotensin II-induced protein synthesis in vascular smooth muscle cells.
AUTHOR(S): Ishida, Mari; Ishida, Takafumi [Reprint Author]; Nakashima, Hidekatsu; Miho, Narimasa; Miyagawa, Kiyoshi; Chayama, Kazuaki; Oshima, Tetsuya; Kambe, Masayuki; Yoshizumi, Masao
CORPORATE SOURCE: Department of Medicine and Molecular Science, Graduate School of Biomedical Sciences, Hiroshima University, 1-2-3 Kasumi, Minami-ku, Hiroshima, 734-8551, Japan
ishidat@hiroshima-u.ac.jp
SOURCE: Circulation Research, (December 26 2003) Vol. 93, No. 12, pp. 1218-1224. print.
ISSN: 0009-7330 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Jan 2004
Last Updated on STN: 14 Jan 2004

L7 ANSWER 27 OF 107 MEDLINE on STN DUPLICATE 14
ACCESSION NUMBER: 2003120543 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12635144
TITLE: The haematopoietic specific signal transducer Vav1 is **expressed** in a subset of **human** neuroblastomas.
AUTHOR: Hornstein Idit; Pikarsky Eli; Groysman Maya; Amir Gail; Peylan-Ramu Nili; Katzav Shulamit
CORPORATE SOURCE: Hubert H Humphrey Centre for Experimental Medicine and

Cancer Research, Hebrew University-Hadassah Medical School, Jerusalem, Israel.
SOURCE: Journal of pathology, (2003 Apr) 199 (4) 526-33. Journal code: 0204634. ISSN: 0022-3417.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030314
Last Updated on STN: 20030608
Entered Medline: 20030606

L7 ANSWER 28 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2003199698 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12719476
TITLE: Shear stress-induced endothelial cell polarization is mediated by **Rho** and **Rac** but not Cdc42 or PI 3-**kinases**.
AUTHOR: Wojciak-Stothard Beata; Ridley Anne J
CORPORATE SOURCE: Ludwig Institute for Cancer Research, Royal Free and University College School of Medicine, 91 Riding House St., London W1W 7BS, UK.. beata@ludwig.ucl.ac.uk
SOURCE: Journal of cell biology, (2003 Apr 28) 161 (2) 429-39. Journal code: 0375356. ISSN: 0021-9525.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030430
Last Updated on STN: 20030620
Entered Medline: 20030619

L7 ANSWER 29 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2003:660252 SCISEARCH
THE GENUINE ARTICLE: 704BA
TITLE: Growth factor induced activation of **Rho** and **Rac** GTPases and actin cytoskeletal reorganization in **human** lens epithelial cells
AUTHOR: Maddala R; Reddy V N; Epstein D L; Rao V (Reprint)
CORPORATE SOURCE: Duke Univ, Med Ctr, Dept Ophthalmol, Box 3802, Durham, NC 27710 USA (Reprint); Duke Univ, Med Ctr, Dept Ophthalmol, Durham, NC 27710 USA; Univ Michigan, Kellogg Eye Ctr, Ann Arbor, MI 48109 USA; Duke Univ, Med Ctr, Dept Pharmacol & Canc Biol, Durham, NC USA
COUNTRY OF AUTHOR: USA
SOURCE: MOLECULAR VISION, (17 JUL 2003) Vol. 9, No. 46, pp. 329-336.
Publisher: MOLECULAR VISION, C/O JEFF BOATRIGHT, LAB B, 5500 EMORY EYE CENTER, 1327 CLIFTON RD, N E, ATLANTA, GA 30322 USA.
ISSN: 1090-0535.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 30 OF 107 MEDLINE on STN DUPLICATE 15
ACCESSION NUMBER: 2003271993 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12799187
TITLE: Rho protein-mediated changes in the structure of the actin

cytoskeleton regulate **human** inducible NO synthase gene **expression**.
AUTHOR: Witteck Andrea; Yao Ying; Fechir Marcel; Forstermann Ulrich; Kleinert Hartmut
CORPORATE SOURCE: Department of Pharmacology, Johannes Gutenberg University, Obere Zahlbacher Strasse 67, D-55101, Mainz, Germany.
SOURCE: Experimental cell research, (2003 Jul 1) 287 (1) 106-15. Journal code: 0373226. ISSN: 0014-4827.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200307
ENTRY DATE: Entered STN: 20030612
Last Updated on STN: 20030801
Entered Medline: 20030731

L7 ANSWER 31 OF 107 MEDLINE on STN DUPLICATE 16
ACCESSION NUMBER: 2003173426 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12691829
TITLE: Overexpression of betaPix-a in **human** breast cancer tissues.
AUTHOR: Ahn Soo-Jung; Chung Ki-Wook; Lee Ryung-Ah; Park In-Ae; Lee Seung-Hye; Park Dong-Eun; Noh Dong-Young
CORPORATE SOURCE: Cancer Research Institute, Seoul National University, 28 Yongon-Dong, Jongno-Gu, Seoul 110-744, South Korea.
SOURCE: Cancer letters, (2003 Apr 10) 193 (1) 99-107. Journal code: 7600053. ISSN: 0304-3835.
PUB. COUNTRY: Ireland
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030416
Last Updated on STN: 20030628
Entered Medline: 20030627

L7 ANSWER 32 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:173455 BIOSIS
DOCUMENT NUMBER: PREV200400172489
TITLE: The hematopoietic specific GTP-binding protein RhoH is a negative regulator in lymphocyte activation.
AUTHOR(S): Li, Xiaoyu [Reprint Author]; Bu, Xia [Reprint Author]; Cherry, Lisa K.; Rodriguez, Roberto K.; Van Parijs, Luk; Klickstein, Lloyd B.; Lim, Bing [Reprint Author]
CORPORATE SOURCE: Division of Hematology/Oncology, Department of Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA
SOURCE: Blood, (November 16 2003) Vol. 102, No. 11, pp. 85a-86a. print.
Meeting Info.: 45th Annual Meeting of the American Society of Hematology. San Diego, CA, USA. December 06-09, 2003. American Society of Hematology.
CODEN: BLOOAW. ISSN: 0006-4971.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 31 Mar 2004
Last Updated on STN: 31 Mar 2004

L7 ANSWER 33 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 2003:518428 BIOSIS
DOCUMENT NUMBER: PREV200300512658
TITLE: LYSOPHOSPHOLIPID GROWTH FACTORS AND EDG RECEPTOR - MEDIATED SIGNALING IN **HUMAN** LENS EPITHELIAL CELLS.
AUTHOR(S): Maddala, R. [Reprint Author]; Reddy, V. N.; Rao, P. V.
CORPORATE SOURCE: Ophthalmology, Duke Univeristy Medical Center, Durham, NC, USA
SOURCE: ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003, pp. Abstract No. 1256. cd-rom.
Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association for Research in Vision and Ophthalmology.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Nov 2003
Last Updated on STN: 5 Nov 2003

L7 ANSWER 34 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2003:826992 SCISEARCH
THE GENUINE ARTICLE: 721YB
TITLE: VEGF-A and alpha(V)beta(3) integrin synergistically rescue angiogenesis via N-Ras and PI3-K signaling in **human** microvascular endothelial cells
AUTHOR: Liu Z J; Snyder R; Soma A; Shirakawa T; Ziober B L; Fairman R M; Herlyn M; Velazquez O C (Reprint)
CORPORATE SOURCE: Univ Penn, Sch Med, Dept Surg, Philadelphia, PA 19104 USA (Reprint); Wistar Inst Anat & Biol, Philadelphia, PA 19104 USA; Univ Penn, Med Ctr, Dept Otorhinolaryngol, Philadelphia, PA 19104 USA
COUNTRY OF AUTHOR: USA
SOURCE: FASEB JOURNAL, (AUG 2003) Vol. 17, No. 11.
Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA.
ISSN: 0892-6638.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 60
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 35 OF 107 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-18283 BIOTECHDS
TITLE: Novel isolated NOVX polypeptides and polynucleotides homologous to attractin, plexin, papin-like family of proteins, useful for treating atherosclerosis, diabetes, cancer, Alzheimer's disease, hemophilia and stroke; **recombinant** protein production and sense and antisense sequence use in disease therapy and gene therapy
AUTHOR: GERLACH V L; MACDOUGALL J R; SMITHSON G; MILLET I; STONE D; GUNTHER E; ELLERMAN K; GROSSE W M; ALSOBROOK J P; LEPLEY D M; BURGESS C E; PADIGARU M; KEKUDA R; SPYTEK K A; LEACH M D; SHIMKETS R A
PATENT ASSIGNEE: CURAGEN CORP
PATENT INFO: WO 2002026826 4 Apr 2002
APPLICATION INFO: WO 2000-US42336 27 Sep 2000
PRIORITY INFO: US 2001-235631 26 Sep 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-499860 [53]

L7 ANSWER 36 OF 107 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-12183 BIOTECHDS
TITLE: Regulating angiogenesis for treating cancer and diseases and disorders associated with angiogenesis, comprises affecting endothelial differentiation gene-1 receptor-mediated signal transduction;
recombinant plasmid vector-mediated gene transfer and **expression** in host cell, antisense oligonucleotide and antagonist for use in cancer, rheumatoid arthritis, diabetes, Kaposi sarcoma, hemangioma, psoriasis and heartdisease gene therapy
AUTHOR: HLA T; LEE M; CLAFFEY K P; ANCELLIN N; THANGADA S
PATENT ASSIGNEE: UNIV CONNECTICUT
PATENT INFO: WO 2002017899 7 Mar 2002
APPLICATION INFO: WO 2000-US27064 31 Aug 2000
PRIORITY INFO: US 2000-651846 31 Aug 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-269443 [31]

L7 ANSWER 37 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:716956 HCAPLUS
DOCUMENT NUMBER: 137:259346
TITLE: Identification, **cloning**, genomic and cDNA sequences and use of **human** citron **kinase** family member
INVENTOR(S): Webster, Marion; Yan, Chunhua; Di Francesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 184 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002132322	A1	20020919	US 2001-804471	20010313
US 6479269	B2	20021112		
US 6638745	B1	20031028	US 2001-916204	20010727
US 2003022340	A1	20030130	US 2002-238709	20020911
US 6680188	B2	20040120		
US 2003049795	A1	20030313	US 2002-282048	20021029
US 6692948	B2	20040217		
US 2004091993	A1	20040513	US 2003-724594	20031202
PRIORITY APPLN. INFO.:			US 2001-804471 A2	20010313
			US 2001-916204 A3	20010727
			US 2002-238709 A3	20020911

L7 ANSWER 38 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:937303 HCAPLUS
DOCUMENT NUMBER: 138:20443
TITLE: Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes
INVENTOR(S): Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi; Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin
PATENT ASSIGNEE(S): Takara Bio Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 386 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 2002355079	A2	20021210	JP 2002-69354		20020313
PRIORITY APPLN. INFO.:			JP 2001-73183	A	20010314
			JP 2001-74993	A	20010315
			JP 2001-102519	A	20010330

L7 ANSWER 39 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2002:831987 SCISEARCH
THE GENUINE ARTICLE: 601LH
TITLE: Rac activation upon cell-cell contact formation is dependent on signaling from the epidermal growth factor receptor
AUTHOR: Betson M; Lozano E; Zhang J K; Braga V M M (Reprint)
CORPORATE SOURCE: Univ London Imperial Coll Sci Technol & Med, Cell & Mol Biol Sect, Div Biomed Sci, Fac Med, Sir Alexander Fleming Bldg, Exhibit Rd, London SW7 2AZ, England (Reprint); Univ Coll London, MRC, Mol Cell Biol Lab, London WC1E 6BT, England; Univ Coll London, Dept Biochem & Mol Biol, London WC1E 6BT, England
COUNTRY OF AUTHOR: England
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (4 OCT 2002) Vol. 277, No. 40, pp. 36962-36969.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 57
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 40 OF 107 MEDLINE on STN DUPLICATE 17
ACCESSION NUMBER: 2002192439 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11790798
TITLE: Association of Bcr-Abl with the proto-oncogene Vav is implicated in activation of the Rac-1 pathway.
AUTHOR: Bassermann Florian; Jahn Thomas; Miething Cornelius; Seipel Petra; Bai Ren-Yuan; Coutinho Sunita; Tybulewicz Victor L; Peschel Christian; Duyster Justus
CORPORATE SOURCE: Department of Internal Medicine III, Laboratory of Leukemogenesis, Technical University of Munich, 81675, Germany.
SOURCE: Journal of biological chemistry, (2002 Apr 5) 277 (14) 12437-45. Electronic Publication: 2002-01-14.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200205
ENTRY DATE: Entered STN: 20020403
Last Updated on STN: 20030105
Entered Medline: 20020513

L7 ANSWER 41 OF 107 MEDLINE on STN DUPLICATE 18
ACCESSION NUMBER: 2002704539 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12446789
TITLE: Grit, a GTPase-activating protein for the Rho family, regulates neurite extension through association with the

TrkA receptor and N-Shc and CrkL/Crk adapter molecules.
AUTHOR: Nakamura Takeshi; Komiya Misako; Sone Kiyoaki; Hirose Eiji; Gotoh Noriko; Morii Hiroshi; Ohta Yasutaka; Mori Nozomu
CORPORATE SOURCE: Department of Molecular Genetics, National Institute for Longevity Sciences, Program of Protecting the Brain, CREST, JST, Oobu, Aichi 474-8522, Japan.
SOURCE: Molecular and cellular biology, (2002 Dec) 22 (24) 8721-34. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB018255
ENTRY MONTH: 200301
ENTRY DATE: Entered STN: 20021217
Last Updated on STN: 20030114
Entered Medline: 20030113

L7 ANSWER 42 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2002087035 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11809807
TITLE: The hematopoiesis-specific GTP-binding protein RhoH is GTPase deficient and modulates activities of other Rho GTPases by an inhibitory function.
AUTHOR: Li Xiaoyu; Bu Xia; Lu Binfeng; Avraham Hava; Flavell Richard A; Lim Bing
CORPORATE SOURCE: Division of Hematology and Oncology, Cancer Biology Program, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts 02115, USA.
CONTRACT NUMBER: R01DK-47535 (NIDDK)
R01DK-54417 (NIDDK)
SOURCE: Molecular and cellular biology, (2002 Feb) 22 (4) 1158-71. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020130
Last Updated on STN: 20020420
Entered Medline: 20020301

L7 ANSWER 43 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2002294261 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12021256
TITLE: ROCK and mDia1 antagonize in **Rho**-dependent **Rac** activation in Swiss 3T3 fibroblasts.
AUTHOR: Tsuji Takahiro; Ishizaki Toshimasa; Okamoto Muneo; Higashida Chiharu; Kimura Kazuhiro; Furuyashiki Tomoyuki; Arakawa Yoshiki; Birge Raymond B; Nakamoto Tetsuya; Hirai Hisamaru; Narumiya Shuh
CORPORATE SOURCE: Department of Pharmacology, Kyoto University Faculty of Medicine, 606-8501, Japan.
SOURCE: Journal of cell biology, (2002 May 27) 157 (5) 819-30. Electronic Publication: 2002-05-20. Journal code: 0375356. ISSN: 0021-9525.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200206
ENTRY DATE: Entered STN: 20020530
Last Updated on STN: 20030105

Entered Medline: 20020628

L7 ANSWER 44 OF 107 MEDLINE on STN DUPLICATE 19
ACCESSION NUMBER: 2002058873 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11784854
TITLE: Stromal cell-derived factor 1alpha activates LIM **kinase** 1 and induces cofilin phosphorylation for T-cell chemotaxis.
AUTHOR: Nishita Michiru; Aizawa Hiroyuki; Mizuno Kensaku
CORPORATE SOURCE: Department of Biomolecular Sciences, Graduate School of Life Sciences, Tohoku University, Sendai 980-8578, Japan.
SOURCE: Molecular and cellular biology, (2002 Feb) 22 (3) 774-83. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200202
ENTRY DATE: Entered STN: 20020125
Last Updated on STN: 20020212
Entered Medline: 20020211

L7 ANSWER 45 OF 107 MEDLINE on STN DUPLICATE 20
ACCESSION NUMBER: 2002056342 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11756555
TITLE: Novel mechanism for gonadotropin-releasing hormone neuronal migration involving Gas6/Ark signaling to p38 mitogen-activated protein **kinase**.
AUTHOR: Allen Melissa P; Linseman Daniel A; Udo Hiroshi; Xu Mei; Schaack Jerome B; Varnum Brian; Kandel Eric R; Heidenreich Kim A; Wierman Margaret E
CORPORATE SOURCE: Department of Medicine, University of Colorado Health Sciences Center, Research Service, Veterans Affairs Medical Center, Denver, Colorado 80220, USA.
CONTRACT NUMBER: HD08667-02 (NICHD)
HD31191-03 (NICHD)
SOURCE: Molecular and cellular biology, (2002 Jan) 22 (2) 599-613. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20020125
Last Updated on STN: 20020130
Entered Medline: 20020129

L7 ANSWER 46 OF 107 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2002:102982 LIFESCI
TITLE: Scatter-factor and semaphorin receptors: Cell signalling for invasive growth
AUTHOR: Trusolino, L.; Comoglio, P.M.
SOURCE: Nature Reviews: Cancer [Nat. Rev. Cancer], (20020400) vol. 2, no. 4, pp. 289-300.
ISSN: 1474-175X.
DOCUMENT TYPE: Journal
TREATMENT CODE: General Review
FILE SEGMENT: B
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 47 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 2002:120170 SCISEARCH
THE GENUINE ARTICLE: 519LH
TITLE: G protein gamma 7 **expression** as a new clinicopathological marker in patients with intrahepatic cholangiocarcinoma
AUTHOR: Utsunomiya T; Inoue H; Taguchi K I; Shimada M; Sugimachi K; Mori M (Reprint)
CORPORATE SOURCE: Kyushu Univ, Med Inst Bioregulat, Dept Surg, 4546 Tsurumibaru, Beppu, Oita 8740838, Japan (Reprint); Kyushu Univ, Med Inst Bioregulat, Dept Surg, Beppu, Oita 8740838, Japan; Kyushu Univ, Grad Sch Med Sci, Dept Anat Pathol, Fukuoka 812, Japan; Kyushu Univ, Grad Sch Med Sci, Dept Surg, Fukuoka 812, Japan; Kyushu Univ, Grad Sch Med Sci, Dept Sci, Fukuoka 812, Japan
COUNTRY OF AUTHOR: Japan
SOURCE: ARCHIVES OF SURGERY, (FEB 2002) Vol. 137, No. 2, pp. 181-185.
Publisher: AMER MEDICAL ASSOC, 515 N STATE ST, CHICAGO, IL 60610 USA.
ISSN: 0004-0010.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 30
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 48 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2001654265 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11703939
TITLE: The C. elegans PH domain protein CED-12 regulates cytoskeletal reorganization via a **Rho/Rac** GTPase signaling pathway.
COMMENT: Comment on: Dev Cell. 2001 Oct;1(4):491-502. PubMed ID: 11703940
Comment in: Dev Cell. 2001 Oct;1(4):445-7. PubMed ID: 11703934
AUTHOR: Zhou Z; Caron E; Hartwieg E; Hall A; Horvitz H R
CORPORATE SOURCE: Howard Hughes Medical Institute, Department of Biology, Massachusetts Institute of Technology, Cambridge 02139, USA.
SOURCE: Developmental cell, (2001 Oct) 1 (4) 477-89.
Journal code: 101120028. ISSN: 1534-5807.
PUB. COUNTRY: United States
DOCUMENT TYPE: Commentary
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF416781; GENBANK-AF417860; GENBANK-AF417861
ENTRY MONTH: 200112
ENTRY DATE: Entered STN: 20011115
Last Updated on STN: 20021212
Entered Medline: 20011207

L7 ANSWER 49 OF 107 MEDLINE on STN DUPLICATE 21
ACCESSION NUMBER: 2001687692 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11579087
TITLE: GTPases of the Rho subfamily are required for Brucella abortus internalization in nonprofessional phagocytes: direct activation of Cdc42.
AUTHOR: Guzman-Verri C; Chaves-Olarte E; von Eichel-Streiber C; Lopez-Goni I; Thelestam M; Arvidson S; Gorvel J P; Moreno E
CORPORATE SOURCE: Programa de Investigacion en Enfermedades Tropicales, Escuela de Medicina Veterinaria, Universidad Nacional, P. O. Box 304, 3000 Heredia, Costa Rica.

SOURCE: Journal of biological chemistry, (2001 Nov 30) 276 (48) 44435-43. Electronic Publication: 2001-09-28. Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20011206
Last Updated on STN: 20030105
Entered Medline: 20020110

L7 ANSWER 50 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2001652592 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11583986
TITLE: Collapsin response mediator protein switches RhoA and Rac1 morphology in N1E-115 neuroblastoma cells and is regulated by Rho **kinase**.
AUTHOR: Hall C; Brown M; Jacobs T; Ferrari G; Cann N; Teo M; Monfries C; Lim L
CORPORATE SOURCE: Department of Neurochemistry, Institute of Neurology, University College London, 1 Wakefield Street, London WC1N IPJ, United Kingdom.. C.Hall@ion.ucl.ac.uk
SOURCE: Journal of biological chemistry, (2001 Nov 16) 276 (46) 43482-6. Electronic Publication: 2001-10-02. Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200112
ENTRY DATE: Entered STN: 20011114
Last Updated on STN: 20030105
Entered Medline: 20011226

L7 ANSWER 51 OF 107 MEDLINE on STN DUPLICATE 22
ACCESSION NUMBER: 2001403555 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11369773
TITLE: Laminin-10/11 and fibronectin differentially regulate integrin-dependent **Rho** and **Rac** activation via p130(Cas)-CrkII-DOCK180 pathway.
AUTHOR: Gu J; Sumida Y; Sanzen N; Sekiguchi K
CORPORATE SOURCE: Division of Protein Chemistry, Institute for Protein Research, Osaka University, 3-2 Yamadaoka, Suita, Osaka 565-0871, Japan.
SOURCE: Journal of biological chemistry, (2001 Jul 20) 276 (29) 27090-7. Electronic Publication: 2001-05-21. Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200108
ENTRY DATE: Entered STN: 20010827
Last Updated on STN: 20030105
Entered Medline: 20010823

L7 ANSWER 52 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2003465735 EMBASE
TITLE: Parallel Regulation of Mitogen-activated Protein **Kinase Kinase** 3 (MKK3) and MKK6 in G(q)-signaling Cascade.

AUTHOR: Yamauchi J.; Tsujimoto G.; Kaziro Y.; Itoh H.
CORPORATE SOURCE: H. Itoh, Grad. Sch. of Agric. and Life Sci., University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-8657, Japan. ahitoh@mail.ecc.u-tokyo.ac.jp
SOURCE: Journal of Biological Chemistry, (29 Jun 2001) 276/26 (23362-23372).
Refs: 59
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 53 OF 107 MEDLINE on STN DUPLICATE 23
ACCESSION NUMBER: 2001649814 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11704822
TITLE: RET/PTC1 oncogene signaling in PC Cl 3 thyroid cells requires the small GTP-binding protein Rho.
AUTHOR: Barone M V; Sepe L; Melillo R M; Mineo A; Santelli G; Monaco C; Castellone M D; Tramontano D; Fusco A; Santoro M
CORPORATE SOURCE: Centro di Endocrinologia ed Oncologia Sperimentale del CNR, c/o Dipartimento di Biologia e Patologia Cellulare e Molecolare, Universita di Napoli "Federico II", via S. Pansini 5, Naples, Italy.
SOURCE: Oncogene, (2001 Oct 25) 20 (48) 6973-82.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200112
ENTRY DATE: Entered STN: 20011113
Last Updated on STN: 20020123
Entered Medline: 20011207

L7 ANSWER 54 OF 107 MEDLINE on STN DUPLICATE 24
ACCESSION NUMBER: 2001382269 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11257000
TITLE: **Rho** and **Rac** but not Cdc42 regulate endothelial cell permeability.
AUTHOR: Wojciak-Stothard B; Potempa S; Eichholtz T; Ridley A J
CORPORATE SOURCE: Ludwig Institute for Cancer Research, Royal Free and University College School of Medicine, London W1W 7BS, UK.
SOURCE: Journal of cell science, (2001 Apr) 114 (Pt 7) 1343-55.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200107
ENTRY DATE: Entered STN: 20010709
Last Updated on STN: 20020420
Entered Medline: 20010705

L7 ANSWER 55 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2001243376 EMBASE
TITLE: Motility-related proteins as markers for head and neck squamous cell cancer.
AUTHOR: Abraham M.T.; Kuriakose M.A.; Sacks P.G.; Yee H.; Chiriboga L.; Bearer E.L.; Delacure M.D.
CORPORATE SOURCE: Dr. M.T. Abraham, Department of Otolaryngology, New York

Univ. School of Medicine, 530 First Avenue, New York, NY 10016, United States. abraham.kuriakose@med.nyu.edu
SOURCE: Laryngoscope, (2001) 111/7 (1285-1289).
Refs: 28
ISSN: 0023-852X CODEN: LARYA8
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 011 Otorhinolaryngology
016 Cancer
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 56 OF 107 MEDLINE on STN DUPLICATE 25
ACCESSION NUMBER: 2001155573 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11158304
TITLE: Regulation of mitogen-activated protein **kinases** in cardiac myocytes through the small G protein Rac1.
AUTHOR: Clerk A; Pham F H; Fuller S J; Sahai E; Aktories K; Marais R; Marshall C; Sugden P H
CORPORATE SOURCE: Division of Biomedical Sciences (Molecular Pathology Section), Imperial College School of Medicine, London SW7 2AZ, United Kingdom.. a.clerk@ic.ac.uk
SOURCE: Molecular and cellular biology, (2001 Feb) 21 (4) 1173-84. Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200103
ENTRY DATE: Entered STN: 20010404
Last Updated on STN: 20020420
Entered Medline: 20010322

L7 ANSWER 57 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:399433 SCISEARCH
THE GENUINE ARTICLE: 431FT
TITLE: IL-8 activates endothelial cell CXCR1 and CXCR2 through **Rho** and **Rac** signaling pathways
AUTHOR: Schraufstatter I U (Reprint); Chung J; Burger M
CORPORATE SOURCE: La Jolla Inst Mol Med, 4570 Execut Dr, San Diego, CA 92121 USA (Reprint); La Jolla Inst Mol Med, San Diego, CA 92121 USA
COUNTRY OF AUTHOR: USA
SOURCE: AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY, (JUN 2001) Vol. 280, No. 6, pp. L1094-L1103. Publisher: AMER PHYSIOLOGICAL SOC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814 USA.
ISSN: 1040-0605.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 57
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 58 OF 107 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:402491 HCAPLUS
DOCUMENT NUMBER: 135:236379
TITLE: Blocking Sp1 transcription factor broadly inhibits extracellular matrix gene **expression** in vitro and in vivo: implications for the treatment of tissue fibrosis
AUTHOR(S): Verrecchia, Franck; Rossert, Jerome; Mauviel, Alain

CORPORATE SOURCE: INSERM U532, Hopital Saint-Louis, Paris, 75475, Fr.
SOURCE: Journal of Investigative Dermatology (2001), 116(5), 755-763
CODEN: JIDEAE; ISSN: 0022-202X
PUBLISHER: Blackwell Science, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 59 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2002:100895 BIOSIS
DOCUMENT NUMBER: PREV200200100895
TITLE: Caspase-mediated cleavage of the TIAM1 guanine nucleotide exchange factor during apoptosis.
AUTHOR(S): Qi, Hongwei; Juo, Peter; Masuda-Robens, Jeffrey; Caloca, Maria Jose; Zhou, Honglin; Stone, Nicole; Kazanietz, Marcelo G.; Chou, Margaret M. [Reprint author]
CORPORATE SOURCE: Department of Cell and Developmental Biology, University of Pennsylvania Medical Center, 421 Curie Boulevard, BRBII, Room 1011, Philadelphia, PA, 19104-6058, USA
mmc@mail.med.upenn.edu
SOURCE: Cell Growth and Differentiation, (December, 2001) Vol. 12, No. 12, pp. 603-611. print.
ISSN: 1044-9523.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 24 Jan 2002
Last Updated on STN: 25 Feb 2002

L7 ANSWER 60 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:163310 BIOSIS
DOCUMENT NUMBER: PREV200100163310
TITLE: Regulation of gene **expression** by the small GTPase Rho through the ERK6 (p38gamma) MAP **kinase** pathway.
AUTHOR(S): Marinissen, Maria Julia; Chiariello, Mario; Gutkind, J. Silvio [Reprint author]
CORPORATE SOURCE: Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, National Institutes of Health, Bethesda, MD, 20892, USA
sg39v@nih.gov
SOURCE: Genes and Development, (March 1, 2001) Vol. 15, No. 5, pp. 535-553. print.
CODEN: GEDEEP. ISSN: 0890-9369.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Apr 2001
Last Updated on STN: 15 Feb 2002

L7 ANSWER 61 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:321296 BIOSIS
DOCUMENT NUMBER: PREV200100321296
TITLE: **Expression** and distribution of **Rho** and **Rac** GTPases and their effector proteins in lens tissue.
AUTHOR(S): Deng, P. F. [Reprint author]; Maddala, R. [Reprint author]; Rao, P. V. [Reprint author]
CORPORATE SOURCE: Ophthalmology, Duke University, Durham, NC, USA
SOURCE: IOVS, (March 15, 2001) Vol. 42, No. 4, pp. S289. print.

Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, Florida, USA. April 29-May 04, 2001.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Jul 2001
Last Updated on STN: 19 Feb 2002

L7 ANSWER 62 OF 107 MEDLINE on STN DUPLICATE 26
ACCESSION NUMBER: 2000261544 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10799501
TITLE: Cdc42-induced activation of the mixed-lineage **kinase** SPRK in vivo. Requirement of the Cdc42/Rac interactive binding motif and changes in phosphorylation.
AUTHOR: Bock B C; Vacratsis P O; Qamirani E; Gallo K A
CORPORATE SOURCE: Departments of Physiology and Biochemistry, Michigan State University, East Lansing, Michigan 48824, USA.
CONTRACT NUMBER: CA76306 (NCI)
SOURCE: Journal of biological chemistry, (2000 May 12) 275 (19) 14231-41.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200006
ENTRY DATE: Entered STN: 20000616
Last Updated on STN: 20020420
Entered Medline: 20000608

L7 ANSWER 63 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2000421869 EMBASE
TITLE: p53 mediates Bcl-2 phosphorylation and apoptosis via activation of the Cdc42/JNK1 pathway.
AUTHOR: Thomas A.; Giesler T.; White E.
CORPORATE SOURCE: E. White, CABM/HHMI, 679 Hoes Lane, Piscataway, NJ 08854, United States
SOURCE: Oncogene, (2 Nov 2000) 19/46 (5259-5269).
Refs: 67
ISSN: 0950-9232 CODEN: ONCNES
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
016 Cancer
022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 64 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2000122586 EMBASE
TITLE: Multiple Ras downstream pathways mediate functional repression of the homeobox gene product TTF-1.
AUTHOR: Missero C.; Pirro M.T.; Di Lauro R.
CORPORATE SOURCE: R. Di Lauro, Staz. Zool. A. Dohrn Villa Comunale, 80121 Naples, Italy. rdilauro@unina.it
SOURCE: Molecular and Cellular Biology, (2000) 20/8 (2783-2793).
Refs: 65
ISSN: 0270-7306 CODEN: MCEBD4
COUNTRY: United States
DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 65 OF 107 MEDLINE on STN DUPLICATE 27
ACCESSION NUMBER: 2000180083 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10713178
TITLE: Mixed-lineage **kinase** 3 delivers CD3/CD28-derived signals into the IkappaB **kinase** complex.
AUTHOR: Hehner S P; Hofmann T G; Ushmorov A; Dienz O; Wing-Lan Leung I; Lassam N; Scheidereit C; Droge W; Schmitz M L
CORPORATE SOURCE: Department of Immunochemistry, German Cancer Research Center, 69120 Heidelberg, Germany.
SOURCE: Molecular and cellular biology, (2000 Apr) 20 (7) 2556-68.
Journal code: 8109087. ISSN: 0270-7306.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200004
ENTRY DATE: Entered STN: 20000413
Last Updated on STN: 20020420
Entered Medline: 20000403

L7 ANSWER 66 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2001042145 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11053255
TITLE: Leptin promotes invasiveness of kidney and colonic epithelial cells via phosphoinositide 3-**kinase**-, **rho**-, and **rac**-dependent signaling pathways.
AUTHOR: Attoub S; Noe V; Pirola L; Bruyneel E; Chastre E; Mareel M; Wymann M P; Gespach C
CORPORATE SOURCE: INSERM U482, Signal Transduction and Cellular Functions in Diabetes and Digestive Cancers, and IFR65, Hopital Saint-Antoine, 75571 Paris Cedex 12, France.
SOURCE: FASEB journal : official publication of the Federation of American Societies for Experimental Biology, (2000 Nov) 14 (14) 2329-38.
Journal code: 8804484. ISSN: 0892-6638.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200012
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20001207

L7 ANSWER 67 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 28
ACCESSION NUMBER: 2000317379 EMBASE
TITLE: [The neuropeptide bombesin modifies the proliferative and invasive properties of tumor cells].
LE NEUROPEPTIDE BOMBESINE MODULE LA PROLIFERATION ET L'INVASION TUMORALE.
AUTHOR: Saurin J.-C.; Nemoz-Gaillard E.; Ratineau C.; Chayvialle J.-A.; Abello J.
CORPORATE SOURCE: J.-C. Saurin, Inserm U. 45, Hopital Edouard-Herriot, Pavillon Hbis, 69437 Lyon Cedex 3, France
SOURCE: Medecine/Sciences, (2000) 16/8-9 (929-935).
Refs: 36

ISSN: 0767-0974 CODEN: MSMSE4
COUNTRY: France
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
016 Cancer
037 Drug Literature Index
LANGUAGE: French
SUMMARY LANGUAGE: English; French

L7 ANSWER 68 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2000162354 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10698528
TITLE: Motility and invasion are differentially modulated by Rho family GTPases.
AUTHOR: Banyard J; Anand-Apte B; Symons M; Zetter B R
CORPORATE SOURCE: Department of Surgical Research, Children's Hospital, Harvard Medical School, Boston, Massachusetts 02115, USA.
CONTRACT NUMBER: CA37393 (NCI)
CA45548 (NCI)
SOURCE: Oncogene, (2000 Jan 27) 19 (4) 580-91.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200003
ENTRY DATE: Entered STN: 20000327
Last Updated on STN: 20020420
Entered Medline: 20000316

L7 ANSWER 69 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:311998 BIOSIS
DOCUMENT NUMBER: PREV200100311998
TITLE: Characterizing the transcriptional phenotype of myeloma cells.
AUTHOR(S): Claudio, Jaime O. [Reprint author]; Tang, HongChang [Reprint author]; Khan, Esther Masih [Reprint author]; Voralia, Michael [Reprint author]; Li, Zhi Hua [Reprint author]; Cukerman, Eva [Reprint author]; Francisco-Pabalan, Ofelia [Reprint author]; Liew, Choong-Chin [Reprint author]; Stewart, A. Keith [Reprint author]
CORPORATE SOURCE: Oncology, University Health Network, Toronto, ON, Canada
SOURCE: Blood, (November 16, 2000) Vol. 96, No. 11 Part 1, pp. 578a. print.
Meeting Info.: 42nd Annual Meeting of the American Society of Hematology. San Francisco, California, USA. December 01-05, 2000. American Society of Hematology.
CODEN: BLOOAW. ISSN: 0006-4971.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Jun 2001
Last Updated on STN: 19 Feb 2002

L7 ANSWER 70 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2000119118 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10652228
TITLE: Activation of the guanine nucleotide exchange factor Dbl following ACK1-dependent tyrosine phosphorylation.
AUTHOR: Kato J; Kaziro Y; Satoh T
CORPORATE SOURCE: Faculty of Bioscience, Tokyo Institute of Technology, Tokyohama, 226-8501, Japan.

SOURCE: Biochemical and biophysical research communications, (2000 Feb 5) 268 (1) 141-7.
Journal code: 0372516. ISSN: 0006-291X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200003
ENTRY DATE: Entered STN: 20000314
Last Updated on STN: 20000314
Entered Medline: 20000301

L7 ANSWER 71 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2000:137739 BIOSIS
DOCUMENT NUMBER: PREV200000137739
TITLE: The CC chemokine receptor-3 transduces signals via the p21 family of small G proteins **Rho** and **Rac**, and the p21-activated **kinase** PAK.
AUTHOR(S): Vita, R. [Reprint author]; Stafford, S. [Reprint author]; Alam, R. [Reprint author]
CORPORATE SOURCE: University of Texas of Medical Branch, Galveston, TX, USA
SOURCE: Journal of Allergy and Clinical Immunology, (Jan., 2000) Vol. 105, No. 1 part 2, pp. S92. print.
Meeting Info.: 56th Annual Meeting of the American Academy of Allergy, Asthma and Immunology. San Diego, California, USA. March 03-08, 2000. American Academy of Allergy, Asthma and Immunology.
CODEN: JACIBY. ISSN: 0091-6749.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 19 Apr 2000
Last Updated on STN: 4 Jan 2002

L7 ANSWER 72 OF 107 MEDLINE on STN DUPLICATE 29
ACCESSION NUMBER: 2001067539 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11082269
TITLE: Rho GTPases: signaling, migration, and invasion.
AUTHOR: Schmitz A A; Govek E E; Bottner B; Van Aelst L
CORPORATE SOURCE: Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, 11724, USA.
SOURCE: Experimental cell research, (2000 Nov 25) 261 (1) 1-12.
Ref: 117
Journal code: 0373226. ISSN: 0014-4827.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200012
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20001222

L7 ANSWER 73 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:108864 BIOSIS
DOCUMENT NUMBER: PREV200100108864
TITLE: Activation of **Rho**-A and **Rac**-1 by M3 muscarinic acetylcholine receptors.
AUTHOR(S): Porter, R. A. [Reprint author]; Phelps, S. H.; Williams, C. L.

CORPORATE SOURCE: Guthrie Research Institute, Sayre, PA, USA
SOURCE: Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-616.4. print.
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
ISSN: 0190-5295.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 28 Feb 2001
Last Updated on STN: 15 Feb 2002

L7 ANSWER 74 OF 107 MEDLINE on STN
ACCESSION NUMBER: 1999348346 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10419529
TITLE: Multiple ras effector pathways contribute to G(1) cell cycle progression.
AUTHOR: Gille H; Downward J
CORPORATE SOURCE: Imperial Cancer Research Fund, 44 Lincoln's Inn Fields, London WC2A 3PX, United Kingdom.
SOURCE: Journal of biological chemistry, (1999 Jul 30) 274 (31) 22033-40.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199908
ENTRY DATE: Entered STN: 19990827
Last Updated on STN: 20000303
Entered Medline: 19990819

L7 ANSWER 75 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2000087181 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10618719
TITLE: The CDC42-specific inhibitor derived from ACK-1 blocks v-Ha-Ras-induced transformation.
AUTHOR: Nur-E-Kamal M S; Kamal J M; Qureshi M M; Maruta H
CORPORATE SOURCE: Department of Biochemistry, Faculty of Medicine and Health Sciences, UAE University, Al Ain 17666, United Arab Emirates.
SOURCE: Oncogene, (1999 Dec 16) 18 (54) 7787-93.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000218
Last Updated on STN: 20000218
Entered Medline: 20000204

L7 ANSWER 76 OF 107 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 30
ACCESSION NUMBER: 1999267539 EMBASE
TITLE: Cellular functions of TC10, a Rho family GTPase: Regulation of morphology, signal transduction and cell growth.
AUTHOR: Murphy G.A.; Solski P.A.; Jillian S.A.; De la Ossa P.P.; D'Eustachio P.; Der C.J.; Rush M.G.
CORPORATE SOURCE: M.G. Rush, Department of Biochemistry, NYU Medical Center, 550 First Avenue, New York, NY 10016, United States
SOURCE: Oncogene, (1 Jul 1999) 18/26 (3831-3845).

Refs: 37
ISSN: 0950-9232 CODEN: ONCNES
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 022 Human Genetics
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 77 OF 107 MEDLINE on STN DUPLICATE 31
ACCESSION NUMBER: 1999421833 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10490980
TITLE: ADP-ribosylation of rho by C3 ribosyltransferase inhibits IL-2 production and sustained calcium influx in activated T cells.
AUTHOR: Angkachatchai V; Finkel T H
CORPORATE SOURCE: Division of Basic Sciences, Department of Pediatrics, National Jewish Medical and Research Center, Denver, CO 80206, USA.
CONTRACT NUMBER: PO1 AI22295 (NIAID)
RO1 AI30575 (NIAID)
T32 AI07365 (NIAID)
+
SOURCE: Journal of immunology (Baltimore, Md. : 1950), (1999 Oct 1) 163 (7) 3819-25.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199910
ENTRY DATE: Entered STN: 19991101
Last Updated on STN: 20000303
Entered Medline: 19991021

L7 ANSWER 78 OF 107 MEDLINE on STN DUPLICATE 32
ACCESSION NUMBER: 2000072220 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10606204
TITLE: Raf-like Ras/Rap-binding domains in RGS12- and still-life-like signalling proteins.
AUTHOR: Ponting C P
CORPORATE SOURCE: National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, Bethesda, MD 20814, USA.. Ponting@ncbi.nlm.nih.gov
SOURCE: Journal of molecular medicine (Berlin, Germany), (1999 Oct) 77 (10) 695-8.
Journal code: 9504370. ISSN: 0946-2716.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200001
ENTRY DATE: Entered STN: 20000131
Last Updated on STN: 20000131
Entered Medline: 20000120

L7 ANSWER 79 OF 107 MEDLINE on STN
ACCESSION NUMBER: 2000032716 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10559936
TITLE: Activation of LIM-**kinase** by Pak1 couples Rac/Cdc42 GTPase signalling to actin cytoskeletal dynamics.
COMMENT: Comment in: Nat Cell Biol. 1999 Sep;1(5):E115-7. PubMed ID: 10559948

AUTHOR: Edwards D C; Sanders L C; Bokoch G M; Gill G N
CORPORATE SOURCE: Department of Chemistry, University of California at San Diego, La Jolla 92093-0650, USA.
CONTRACT NUMBER: CA58689 (NCI)
DK13149 (NIDDK)
GM39434 (NIGMS)
SOURCE: Nature cell biology, (1999 Sep) 1 (5) 253-9.
Journal code: 100890575. ISSN: 1465-7392.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199912
ENTRY DATE: Entered STN: 20000113
Last Updated on STN: 20020420
Entered Medline: 19991206

L7 ANSWER 80 OF 107 MEDLINE on STN DUPLICATE 33
ACCESSION NUMBER: 1998334623 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9668072
TITLE: Different regions of Rho determine Rho-selective binding of different classes of Rho target molecules.
AUTHOR: Fujisawa K; Madaule P; Ishizaki T; Watanabe G; Bito H; Saito Y; Hall A; Narumiya S
CORPORATE SOURCE: Department of Pharmacology, Kyoto University Faculty of Medicine, Sakyo-ku, Kyoto 606, Japan.
SOURCE: Journal of biological chemistry, (1998 Jul 24) 273 (30) 18943-9.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199808
ENTRY DATE: Entered STN: 19980828
Last Updated on STN: 20020420
Entered Medline: 19980820

L7 ANSWER 81 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1998:559232 SCISEARCH
THE GENUINE ARTICLE: 100RE
TITLE: The Cdc42/Rac interactive binding region motif of the Wiskott Aldrich syndrome protein (WASP) is necessary but not sufficient for tight binding to Cdc42 and structure formation
AUTHOR: Rudolph M G; Bayer P; Abo A; Kuhlmann J; Vetter I R; Wittinghofer A (Reprint)
CORPORATE SOURCE: MAX PLANCK INST MOL PHYSIOL, ABT STURKTURELLE BIOL & PHYS BIOCHEM, RHEINLANDDAMM 201, D-44139 DORTMUND, GERMANY (Reprint); MAX PLANCK INST MOL PHYSIOL, ABT STURKTURELLE BIOL & PHYS BIOCHEM, D-44139 DORTMUND, GERMANY; ONYX PHARMACEUT, RICHMOND, CA 94608
COUNTRY OF AUTHOR: GERMANY; USA
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (17 JUL 1998) Vol. 273, No. 29, pp. 18067-18076.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 46

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 82 OF 107 MEDLINE on STN
ACCESSION NUMBER: 1998112814 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9446575
TITLE: Multiple interactions of PRK1 with RhoA. Functional assignment of the Hr1 repeat motif.
AUTHOR: Flynn P; Mellor H; Palmer R; Panayotou G; Parker P J
CORPORATE SOURCE: Protein Phosphorylation Laboratory, Imperial Cancer Research Fund, 44 Lincoln's Inn Fields, London WC2A 3PX, United Kingdom.
SOURCE: Journal of biological chemistry, (1998 Jan 30) 273 (5) 2698-705.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199802
ENTRY DATE: Entered STN: 19980306
Last Updated on STN: 20000303
Entered Medline: 19980223

L7 ANSWER 83 OF 107 MEDLINE on STN DUPLICATE 34
ACCESSION NUMBER: 1998288799 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9627110
TITLE: Signalling of the Ret receptor tyrosine **kinase** through the c-Jun NH2-terminal protein **kinases** (JNKS): evidence for a divergence of the ERKs and JNKs pathways induced by Ret.
AUTHOR: Chiariello M; Visconti R; Carlomagno F; Melillo R M; Bucci C; de Franciscis V; Fox G M; Jing S; Coso O A; Gutkind J S; Fusco A; Santoro M
CORPORATE SOURCE: Centro di Endocrinologia ed Oncologia Sperimentale del CNR, Dipartimento di Biologia e Patologia Cellulare e Molecolare, Facolta di Medicina e Chirurgia, Universita di Napoli Federico II, Naples, Italy.
SOURCE: Oncogene, (1998 May 14) 16 (19) 2435-45.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199807
ENTRY DATE: Entered STN: 19980713
Last Updated on STN: 20000303
Entered Medline: 19980701

L7 ANSWER 84 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1998:576947 SCISEARCH
THE GENUINE ARTICLE: 103HR
TITLE: First characterization of the gene RGD1 in the yeast Saccharomyces cerevisiae
AUTHOR: Barthe C; deBettignies G; Louvet O; Peypouquet M F; Morel C; Doignon F; Crouzet M (Reprint)
CORPORATE SOURCE: LAB BIOL MOL & SEQUENCAGE, CNRS, UPR 9026, BP 64, 146 RUE LEO SAIGNAT, F-33076 BORDEAUX, FRANCE (Reprint); LAB BIOL MOL & SEQUENCAGE, CNRS, UPR 9026, F-33076 BORDEAUX, FRANCE
COUNTRY OF AUTHOR: FRANCE
SOURCE: COMPTES RENDUS DE L ACADEMIE DES SCIENCES SERIE III-SCIENCES DE LA VIE-LIFE SCIENCES, (JUN 1998) Vol. 321, No. 6, pp. 453-462.

Publisher: EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER, 23 RUE LINOIS, 75724 PARIS CEDEX 15, FRANCE.
ISSN: 0764-4469.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE; AGRI
LANGUAGE: English
REFERENCE COUNT: 32
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 85 OF 107 MEDLINE on STN
ACCESSION NUMBER: 1999039505 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9823899
TITLE: The protein **kinase** Pak3 positively regulates Raf-1 activity through phosphorylation of serine 338.
COMMENT: Erratum in: Nature 2000 Jul 27;406(6794):439
AUTHOR: King A J; Sun H; Diaz B; Barnard D; Miao W; Bagrodia S; Marshall M S
CORPORATE SOURCE: Department of Medicine, Indiana University School of Medicine, The Walther Oncology Center, Indianapolis 46202, USA.
SOURCE: Nature, (1998 Nov 12) 396 (6707) 180-3.
Journal code: 0410462. ISSN: 0028-0836.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199812
ENTRY DATE: Entered STN: 19990115
Last Updated on STN: 20020420
Entered Medline: 19981210

L7 ANSWER 86 OF 107 MEDLINE on STN
ACCESSION NUMBER: 1998278717 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9618155
TITLE: Regulation of TNF-alpha-induced reorganization of the actin cytoskeleton and cell-cell junctions by **Rho**, **Rac**, and Cdc42 in **human** endothelial cells.
AUTHOR: Wojciak-Stothard B; Entwistle A; Garg R; Ridley A J
CORPORATE SOURCE: Ludwig Institute for Cancer Research, London, United Kingdom.. beata@ludwig.ucl.ac.uk
SOURCE: Journal of cellular physiology, (1998 Jul) 176 (1) 150-65.
Journal code: 0050222. ISSN: 0021-9541.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199807
ENTRY DATE: Entered STN: 19980713
Last Updated on STN: 20000303
Entered Medline: 19980701

L7 ANSWER 87 OF 107 MEDLINE on STN
ACCESSION NUMBER: 1998190444 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9529607
TITLE: Regulation of inositol lipid **kinases** by **Rho** and **Rac**.
AUTHOR: Ren X D; Schwartz M A
CORPORATE SOURCE: Department of Vascular Biology, Scripps Research Institute, La Jolla, California 92037, USA.. xdren@scripps.edu
CONTRACT NUMBER: P01 HL48728 (NHLBI)
R01 GM27214 (NIGMS)
SOURCE: Current opinion in genetics & development, (1998 Feb) 8 (1)

63-7. Ref: 46
Journal code: 9111375. ISSN: 0959-437X.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199805
ENTRY DATE: Entered STN: 19980529
Last Updated on STN: 20000303
Entered Medline: 19980521

L7 ANSWER 88 OF 107 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 1998-02616 BIOTECHDS
TITLE: New autophosphorylating peptide with phosphatidylinositol-3-**kinase**-like activity;
vector **expression** in insect cell for p110delta production and monoclonal antibody and antisense oligonucleotide for cancer therapy
AUTHOR: Vanhasebroeck B; Waterfield M D
PATENT ASSIGNEE: Ludwig-Inst.Cancer-Res.
LOCATION: Zurich, Switzerland.
PATENT INFO: WO 9746688 11 Dec 1997
APPLICATION INFO: WO 1997-GB1471 30 May 1997
PRIORITY INFO: GB 1996-11460 1 Jun 1996
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1998-042196 [04]

L7 ANSWER 89 OF 107 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1998:42541 BIOSIS
DOCUMENT NUMBER: PREV199800042541
TITLE: The CREB-binding protein (CBP) cooperates with the serum response factor for transactivation of the c-fos serum response element.
AUTHOR(S): Ramirez, Sandra; Ali, Slimane Ait Si; Robin, Philippe; Trouche, Didier; Harel-Bellan, Annick [Reprint author]
CORPORATE SOURCE: Lab. Oncogenese, Differenciation Transduction du Signal, CNRS UPR 9079, Inst. Federatif sur le Cancer, 7 rue Guy Moquet, 94801 Villejuif, France
SOURCE: Journal of Biological Chemistry, (Dec. 5, 1997) Vol. 272, No. 49, pp. 31016-31021. print.
CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Jan 1998
Last Updated on STN: 27 Jan 1998

L7 ANSWER 90 OF 107 MEDLINE on STN
ACCESSION NUMBER: 97460085 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9312105
TITLE: MKK7 is a stress-activated mitogen-activated protein **kinase kinase** functionally related to hemipterous.
AUTHOR: Holland P M; Suzanne M; Campbell J S; Noselli S; Cooper J A
CORPORATE SOURCE: Fred Hutchinson Cancer Research Center, A2-025, Seattle, Washington 98109, USA.
SOURCE: Journal of biological chemistry, (1997 Oct 3) 272 (40) 24994-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-U74463; GENBANK-U74464
ENTRY MONTH: 199710
ENTRY DATE: Entered STN: 19971105
Last Updated on STN: 20000525
Entered Medline: 19971022

L7 ANSWER 91 OF 107 MEDLINE on STN DUPLICATE 35
ACCESSION NUMBER: 97166247 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9013646
TITLE: Characterization of two alternately spliced forms of phospholipase D1. Activation of the purified enzymes by phosphatidylinositol 4,5-bisphosphate, ADP-ribosylation factor, and Rho family monomeric GTP-binding proteins and protein **kinase** C-alpha.
AUTHOR: Hammond S M; Jenco J M; Nakashima S; Cadwallader K; Gu Q; Cook S; Nozawa Y; Prestwich G D; Frohman M A; Morris A J
CORPORATE SOURCE: Department of Pharmacological Sciences, Stony Brook Health Sciences Center, Stony Brook, New York 11794-8651, USA.
CONTRACT NUMBER: GM50388 (NIGMS)
HD29758 (NICHD)
NS29632 (NINDS)
SOURCE: Journal of biological chemistry, (1997 Feb 7) 272 (6) 3860-8.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-U38545
ENTRY MONTH: 199704
ENTRY DATE: Entered STN: 19970414
Last Updated on STN: 20000303
Entered Medline: 19970402

L7 ANSWER 92 OF 107 MEDLINE on STN DUPLICATE 36
ACCESSION NUMBER: 97355579 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9212060
TITLE: Fibroblast growth factor receptor signaling activates the **human** interstitial collagenase promoter via the bipartite Ets-AP1 element.
AUTHOR: Newberry E P; Willis D; Latifi T; Boudreaux J M; Towler D A
CORPORATE SOURCE: Department of Medicine, Washington University School of Medicine, St. Louis, Missouri 63110, USA.
CONTRACT NUMBER: AR-43731 (NIAMS)
SOURCE: Molecular endocrinology (Baltimore, Md.), (1997 Jul) 11 (8) 1129-44.
Journal code: 8801431. ISSN: 0888-8809.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199709
ENTRY DATE: Entered STN: 19970916
Last Updated on STN: 20000303
Entered Medline: 19970902

L7 ANSWER 93 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 97:668402 SCISEARCH
THE GENUINE ARTICLE: XU360

TITLE: **Rho**- and **Rac**-dependent assembly of focal adhesion complexes and actin filaments in permeabilized fibroblasts: An essential role for ezrin/radixin/moesin proteins
AUTHOR: Mackay D J G; Esch F; Furthmayr H; Hall A (Reprint)
CORPORATE SOURCE: UNIV LONDON UNIV COLL, MRC, MOL CELL BIOL LAB, GOWER ST, LONDON WC1E 6BT, ENGLAND (Reprint); UNIV LONDON UNIV COLL, MRC, MOL CELL BIOL LAB, LONDON WC1E 6BT, ENGLAND; UNIV LONDON UNIV COLL, MRC, DEPT BIOCHEM, LONDON WC1E 6BT, ENGLAND; UNIV LONDON UNIV COLL, MRC, EISAI LONDON RES LABS, LONDON WC1E 6BT, ENGLAND; STANFORD UNIV, SCH MED, DEPT PATHOL, EXPT ONCOL LAB, STANFORD, CA 94305
COUNTRY OF AUTHOR: ENGLAND; USA
SOURCE: JOURNAL OF CELL BIOLOGY, (25 AUG 1997) Vol. 138, No. 4, pp. 927-938.
Publisher: ROCKEFELLER UNIV PRESS, 1114 FIRST AVE, 4TH FL, NEW YORK, NY 10021.
ISSN: 0021-9525.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 57
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 94 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 97:628820 SCISEARCH
THE GENUINE ARTICLE: XR478
TITLE: Drosophila myoblast city encodes a conserved protein that is essential for myoblast fusion, dorsal closure, and cytoskeletal organization
AUTHOR: Erickson M R S; Galletta B J; Abmayr S M (Reprint)
CORPORATE SOURCE: PENN STATE UNIV, DEPT BIOCHEM & MOL BIOL, UNIVERSITY PK, PA 16802 (Reprint); PENN STATE UNIV, DEPT BIOCHEM & MOL BIOL, UNIVERSITY PK, PA 16802; PENN STATE UNIV, CTR GENE REGULAT, UNIVERSITY PK, PA 16802
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF CELL BIOLOGY, (11 AUG 1997) Vol. 138, No. 3, pp. 589-603.
Publisher: ROCKEFELLER UNIV PRESS, 1114 FIRST AVE, 4TH FL, NEW YORK, NY 10021.
ISSN: 0021-9525.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 90
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 95 OF 107 MEDLINE on STN
ACCESSION NUMBER: 97375666 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9230078
TITLE: Regulation of actin polymerization in cell-free systems by GTPgammaS and Cdc42.
AUTHOR: Zigmond S H; Joyce M; Borleis J; Bokoch G M; Devreotes P N
CORPORATE SOURCE: Biology Department, University of Pennsylvania, Philadelphia, Pennsylvania 19104-6018, USA.
CONTRACT NUMBER: AI19883 (NIAID)
GM28007 (NIGMS)
GM44428 (NIGMS)
SOURCE: Journal of cell biology, (1997 Jul 28) 138 (2) 363-74.
Journal code: 0375356. ISSN: 0021-9525.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199708
ENTRY DATE: Entered STN: 19970908
Last Updated on STN: 20020420
Entered Medline: 19970825

L7 ANSWER 96 OF 107 MEDLINE on STN DUPLICATE 37
ACCESSION NUMBER: 97199446 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9395408
TITLE: Phospholipase D2, a distinct phospholipase D isoform with novel regulatory properties that provokes cytoskeletal reorganization.
AUTHOR: Colley W C; Sung T C; Roll R; Jenco J; Hammond S M; Altshuller Y; Bar-Sagi D; Morris A J; Frohman M A
CORPORATE SOURCE: Program in Genetics, State University of New York, Stony Brook, New York 11794-8651, USA.
CONTRACT NUMBER: CA55360 (NCI)
GM50388 (NIGMS)
HD29758 (NICHD)
+
SOURCE: Current biology : CB, (1997 Mar 1) 7 (3) 191-201.
Journal code: 9107782. ISSN: 0960-9822.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF052291; GENBANK-AF052292; GENBANK-AF052293; GENBANK-AF052294; GENBANK-U87557
ENTRY MONTH: 199705
ENTRY DATE: Entered STN: 19970609
Last Updated on STN: 20000303
Entered Medline: 19970529

L7 ANSWER 97 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 97:851153 SCISEARCH
THE GENUINE ARTICLE: YF541
TITLE: Myosin phosphorylation by **human** cdc42-dependent S6/H4 **kinase**/gamma PAK from placenta and lymphoid cells
AUTHOR: Ramos E (Reprint); Wysolmerski R B; Masaracchia R A
CORPORATE SOURCE: UNIV N TEXAS, DEPT BIOL SCI, DIV BIOCHEM & MOL BIOL, DENTON, TX 76201; ST LOUIS UNIV, SCH MED, DEPT PATHOL & ANESTHESIOL, ST LOUIS, MO 63104
COUNTRY OF AUTHOR: USA
SOURCE: RECEPTORS & SIGNAL TRANSDUCTION, (DEC 1997) Vol. 7, No. 2, pp. 99-110.
Publisher: HUMANA PRESS INC, 999 RIVERVIEW DRIVE SUITE 208, TOTOWA, NJ 07512.
ISSN: 1052-8040.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 33
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 98 OF 107 MEDLINE on STN DUPLICATE 38
ACCESSION NUMBER: 97148195 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8994827
TITLE: Faciogenital dysplasia protein (FGD1) and Vav, two related proteins required for normal embryonic development, are upstream regulators of Rho GTPases.
AUTHOR: Olson M F; Pasteris N G; Gorski J L; Hall A

CORPORATE SOURCE: CRC Oncogene and Signal Transduction Group, MRC Laboratory for Molecular Cell Biology, London, UK.
CONTRACT NUMBER: NS-30771 (NINDS)
SOURCE: Current biology : CB, (1996 Dec 1) 6 (12) 1628-33.
Journal code: 9107782. ISSN: 0960-9822.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199702
ENTRY DATE: Entered STN: 19970306
Last Updated on STN: 20000303
Entered Medline: 19970227

L7 ANSWER 99 OF 107 MEDLINE on STN
ACCESSION NUMBER: 96433085 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8836113
TITLE: Signal-transducing protein phosphorylation cascades mediated by Ras/Rho proteins in the mammalian cell: the potential for multiplex signalling.
AUTHOR: Denhardt D T
CORPORATE SOURCE: Department of Biological Sciences, Rutgers University, Piscataway, NJ 08855, USA.
SOURCE: Biochemical journal, (1996 Sep 15) 318 (Pt 3) 729-47.
Ref: 228
Journal code: 2984726R. ISSN: 0264-6021.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199611
ENTRY DATE: Entered STN: 19961219
Last Updated on STN: 20000303
Entered Medline: 19961120

L7 ANSWER 100 OF 107 MEDLINE on STN DUPLICATE 39
ACCESSION NUMBER: 97063843 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8907710
TITLE: **Human** myosin-IXb, an unconventional myosin with a chimerin-like **rho/rac** GTPase-activating protein domain in its tail.
AUTHOR: Wirth J A; Jensen K A; Post P L; Bement W M; Mooseker M S
CORPORATE SOURCE: Department of Biology, School of Medicine, Yale University, New Haven, CT 06520, USA.
CONTRACT NUMBER: DK 25387 (NIDDK)
DK 34989 (NIDDK)
DK 38979 (NIDDK)
SOURCE: Journal of cell science, (1996 Mar) 109 (Pt 3) 653-61.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF020267; GENBANK-U42391
ENTRY MONTH: 199703
ENTRY DATE: Entered STN: 19970321
Last Updated on STN: 20000303
Entered Medline: 19970311

L7 ANSWER 101 OF 107 MEDLINE on STN DUPLICATE 40
ACCESSION NUMBER: 97129090 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8973630

TITLE: Regulation of phosphorylation pathways by p21 GTPases. The p21 Ras-related Rho subfamily and its role in phosphorylation signalling pathways.
AUTHOR: Lim L; Manser E; Leung T; Hall C
CORPORATE SOURCE: Institute of Neurology, London, UK.
SOURCE: European journal of biochemistry / FEBS, (1996 Dec 1) 242 (2) 171-85. Ref: 123
Journal code: 0107600. ISSN: 0014-2956.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 20000303
Entered Medline: 19970128

L7 ANSWER 102 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN DUPLICATE 41
ACCESSION NUMBER: 96:103002 SCISEARCH
THE GENUINE ARTICLE: TR294
TITLE: 2 GTPASES, CDC42 AND RAC, BIND DIRECTLY TO A PROTEIN IMPLICATED IN THE IMMUNODEFICIENCY DISORDER WISKOTT-ALDRICH SYNDROME
AUTHOR: ASPENSTROM P (Reprint); LINDBERG U; HALL A
CORPORATE SOURCE: UNIV STOCKHOLM, ARRHENIUS LABS, WENNER GREN INST, DEPT ZOOL CELL BIOL, E5, S-10691 STOCKHOLM, SWEDEN (Reprint); UNIV LONDON UNIV COLL, MRC, MOLEC CELL BIOL LAB, CRC, ONCOGENE & SIGNAL TRANSDUCT GRP, LONDON WC1E 6BT, ENGLAND; UNIV LONDON UNIV COLL, DEPT BIOCHEM, LONDON WC1E 6BT, ENGLAND
COUNTRY OF AUTHOR: SWEDEN; ENGLAND
SOURCE: CURRENT BIOLOGY, (01 JAN 1996) Vol. 6, No. 1, pp. 70-75. ISSN: 0960-9822.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 39
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 103 OF 107 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 95:838861 SCISEARCH
THE GENUINE ARTICLE: TJ227
TITLE: A CONSERVED BINDING MOTIF DEFINES NUMEROUS CANDIDATE TARGET PROTEINS FOR BOTH CDC42 AND RAC GTPASES
AUTHOR: BURBELO P D; DRECHSEL D; HALL A (Reprint)
CORPORATE SOURCE: UNIV COLL LONDON, MRC, MOLEC CELL BIOL LAB, CANC RES CAMPAIGN, ONCOGENE & SIGNAL TRANSDUCT GRP, LONDON WC1E 6BT, ENGLAND (Reprint); UNIV COLL LONDON, MRC, MOLEC CELL BIOL LAB, CANC RES CAMPAIGN, ONCOGENE & SIGNAL TRANSDUCT GRP, LONDON WC1E 6BT, ENGLAND; UNIV COLL LONDON, DEPT BIOCHEM, LONDON WC1E 6BT, ENGLAND
COUNTRY OF AUTHOR: ENGLAND
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (08 DEC 1995) Vol. 270, No. 49, pp. 29071-29074. ISSN: 0021-9258.
DOCUMENT TYPE: Note; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 38
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 104 OF 107 MEDLINE on STN DUPLICATE 42
ACCESSION NUMBER: 95275732 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7756172
TITLE: Changes in tyrosine-phosphorylated p190 and its association with p120 type I and p100 type II rasGAPs during myelomonocytic differentiation of **human** leukemic cells.
AUTHOR: Cheng J C; Frackelton A R Jr; Bearer E L; Kumar P S; Kannan B; Santos-Moore A; Rifai A; Settleman J; Clark J W
CORPORATE SOURCE: Division of Molecular and Cellular Biology, Brown University, Providence, Rhode Island 02908, USA.
CONTRACT NUMBER: GM47368 (NIGMS)
P30-CA13943 (NCI)
RO1-CA39235 (NCI)
SOURCE: Cell growth & differentiation : molecular biology journal of the American Association for Cancer Research, (1995 Feb) 6 (2) 139-48.
Journal code: 9100024. ISSN: 1044-9523.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199506
ENTRY DATE: Entered STN: 19950707
Last Updated on STN: 20000303
Entered Medline: 19950623

L7 ANSWER 105 OF 107 MEDLINE on STN
ACCESSION NUMBER: 94074546 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8253073
TITLE: Ash/Grb-2, a SH2/SH3-containing protein, couples to signaling for mitogenesis and cytoskeletal reorganization by EGF and PDGF.
AUTHOR: Matuoka K; Shibasaki F; Shibata M; Takenawa T
CORPORATE SOURCE: Department of Biosignal Research, Tokyo Metropolitan Institute of Gerontology, Japan.
SOURCE: EMBO journal, (1993 Sep) 12 (9) 3467-73.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199401
ENTRY DATE: Entered STN: 19940203
Last Updated on STN: 20000303
Entered Medline: 19940110

L7 ANSWER 106 OF 107 MEDLINE on STN
ACCESSION NUMBER: 93259133 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8491184
TITLE: A novel role for RhoGDI as an inhibitor of GAP proteins.
AUTHOR: Hancock J F; Hall A
CORPORATE SOURCE: ONYX Pharmaceuticals, Richmond, CA 94806.
SOURCE: EMBO journal, (1993 May) 12 (5) 1915-21.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199306
ENTRY DATE: Entered STN: 19930625
Last Updated on STN: 20000303

Entered Medline: 19930611

L7 ANSWER 107 OF 107 MEDLINE on STN DUPLICATE 43
ACCESSION NUMBER: 93268389 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8497321
TITLE: A non-receptor tyrosine **kinase** that inhibits the GTPase activity of p21cdc42.
AUTHOR: Manser E; Leung T; Salihuddin H; Tan L; Lim L
CORPORATE SOURCE: Institute of Molecular and Cell Biology, National University of Singapore.
SOURCE: Nature, (1993 May 27) 363 (6427) 364-7.
Journal code: 0410462. ISSN: 0028-0836.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-L13738
ENTRY MONTH: 199306
ENTRY DATE: Entered STN: 19930702
Last Updated on STN: 20000303
Entered Medline: 19930624

=> d his

(FILE 'HOME' ENTERED AT 10:08:35 ON 22 MAR 2005)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005
L1 1297642 S KINASE?
L2 2521 S RHO (2W)RAC
L3 1146 S L1 AND L2
L4 438 S HUMAN AND L3
L5 6982197 S CLON? OR EXPRESS? OR RECOMBINANT
L6 214 S L4 AND L5
L7 107 DUP REM L6 (107 DUPLICATES REMOVED)

=> s citron
L8 1579 CITRON

=> s l7 and l8
L9 6 L7 AND L8

=> d 1-6 ibib ab

L9 ANSWER 1 OF 6 MEDLINE on STN
ACCESSION NUMBER: 1998334623 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9668072
TITLE: Different regions of Rho determine Rho-selective binding of different classes of Rho target molecules.
AUTHOR: Fujisawa K; Madaule P; Ishizaki T; Watanabe G; Bito H; Saito Y; Hall A; Narumiya S
CORPORATE SOURCE: Department of Pharmacology, Kyoto University Faculty of Medicine, Sakyo-ku, Kyoto 606, Japan.
SOURCE: Journal of biological chemistry, (1998 Jul 24) 273 (30) 18943-9.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199808
ENTRY DATE: Entered STN: 19980828

Last Updated on STN: 20020420
Entered Medline: 19980820

AB Based on their Rho binding motifs several Rho target molecules can be classified into three groups; class I includes the protein **kinase** PKN, rhophilin, and rhotekin, class II includes the protein **kinases**, Rho-associated coiled-coil containing protein **kinases**, ROCK-I and ROCK-II, and class III includes **citron** . Taking advantage of the selectivity in recognition by these targets between **Rho** and **Rac**, we examined the regions in Rho required for selective binding of each class of Rho target molecules. Yeast two-hybrid assays were performed using **Rho/Rac** chimeras and either rhophilin, ROCK-I, or **citron**. This study showed the existence of at least two distinct regions in Rho (amino acids 23-40 and 75-92) that are critical for the selective binding of these targets. The former was required for binding to **citron**, whereas the latter was necessary for binding to rhophilin. On the other hand, either region showed affinity to ROCK-I. This was further confirmed by ligand overlay assay using both **recombinant** ROCK-I and ROCK-II proteins. Consistently, **Rho/Rac** chimeras containing either region can induce stress fibers in transfected HeLa cells, and this induction is suppressed by treatment with Y-27632, a specific inhibitor of ROCK **kinases**. These results suggest that the selective binding of different classes of Rho targets to Rho is determined by interaction between distinct Rho-binding motifs of the targets and different regions of Rho.

L9 ANSWER 2 OF 6 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-11097 BIOTECHDS
TITLE: New **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide and polynucleotide for preventing or treating diseases associated with the polypeptide dysfunction, e.g. obesity or chronic obstructive pulmonary disease; **recombinant** protein production for use in disease therapy and gene therapy
AUTHOR: ZHU Z
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003004629 16 Jan 2003
APPLICATION INFO: WO 2002-EP7229 1 Jul 2002
PRIORITY INFO: US 2002-375015 25 Apr 2002; US 2001-301853 2 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-221595 [21]

AB DERWENT ABSTRACT:
NOVELTY - A new isolated polynucleotide (I) which encodes a **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide (II), is new.
DETAILED DESCRIPTION - A new isolated polynucleotide (I) selected from a polynucleotide: (a) which encodes a **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide (II) (which comprises a sequence of 495 (S3) or 497 (S4) amino acids fully defined in the specification, or a sequence that is at least 88% identical to S3 or S4); (b) which comprises a sequence of 1485 (S1) or 1765 (S2) bp given in the specification; (c) which hybridizes under stringent conditions to the polynucleotide in (a) and (b); (d) which has a sequence deviating from (a)-(c) due to the degeneration of the genetic code; and (e) which represents a fragment, derivative or allelic variation of (a)-(d). INDEPENDENT CLAIMS are also included for the following: (1) an **expression** vector containing the above polynucleotide; (2) a host cell comprising the **expression** vector; (3) a substantially purified **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide encoded by (I); (4) producing (II);

(5) detecting the above polynucleotide or polypeptide; (6) a diagnostic kit for conducting method (5); (7) screening for agents which regulate or decrease the activity of the **citron rho/rac**-interacting **kinase**-short **kinase** polypeptide; (8) reducing the activity of **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide; (9) a reagent that modulates the activity of (II) or the polynucleotide cited above, which is identified by method (7); and (10) a pharmaceutical composition comprising the above **expression** vector or reagent, and a carrier.

BIOTECHNOLOGY - Preferred Method: Producing a **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide comprises culturing the host cell under conditions suitable for the **expression** of (II), and recovering the polypeptide from the host cell culture. Detecting the polynucleotide encoding the **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide in a biological sample, comprises hybridizing the above polynucleotide to a nucleic acid material of a biological sample to form a hybridization complex, and detecting the complex formed. Before hybridization, the nucleic acid material of the biological sample is amplified. Detecting the above polynucleotide or polypeptide comprises contacting a biological sample with a reagent which specifically interacts with the polynucleotide or the polypeptide, and detecting the interaction. Screening for agents which decrease the activity of a **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide, comprises contacting a test compound with the above polypeptide or polynucleotide, and detecting the binding of the test compound to (II) or the polynucleotide, where a test compound which binds to the polypeptide or the polynucleotide is identified as a potential therapeutic agent for decreasing the activity of the **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide. In screening for agents which regulate the activity of the above polypeptide, the test compound is contacted with (II), and the activity of the **human citron rho/rac**-interacting **kinase**-short **kinase** polypeptide is detected, where the test compound which increases or decreases the **kinase** activity is identified as a potential therapeutic agent for increasing or decreasing the activity of the **kinase**. Reducing the activity of the **human citron rho/rac**-interacting **kinase**-short **kinase** comprises contacting a cell with a reagent which specifically binds to the above polypeptide or polynucleotide, where the activity of the **kinase** is reduced.

ACTIVITY - Anorectic; Antiinflammatory; Hypotensive; Antidiabetic; Cardiant; Antilipemic; Cerebroprotective; Antigout; Osteopathic; Antiarthritic; Cytostatic; Thrombolytic; Anticoagulant; Gynecological; Antidepressant. No biological data is given.

MECHANISM OF ACTION - Gene therapy.

USE - The polynucleotide and polypeptide are useful in preventing, ameliorating, or treating diseases associated with the polypeptide dysfunction. The **expression** vector or the reagent is useful in the preparation of a medicament for modulating the activity of a **human citron rho/rac**-interacting **kinase**-short **kinase** in a disease, such as obesity or chronic obstructive pulmonary disease (claimed). These may also be used for treating obesity/overweight-associated comorbidities, such as hypertension, diabetes, coronary artery disease, hyperlipidemia, stroke, gallbladder disease, gout, osteoarthritis, sleep apnea, cancer, thrombolic diseases, polycystic ovarian syndrome, reduced fertility, and depression. The polypeptide and polynucleotide are also useful in diagnostic assays or in genetic testing.

ADMINISTRATION - The dosage ranges from 0.1-100000 microg, up to a total dose of 1 g, depending upon the route of administration, which may be oral, parenteral (e.g. intravenous, intramuscular, intraarterial, subcutaneous), intramedullary, intrathecal, intraventricular, transdermal, intraperitoneal, intranasal, topical, sublingual, or rectal means.

EXAMPLE - No relevant example given. (73 pages)

L9 ANSWER 3 OF 6 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-11086 BIOTECHDS
TITLE: New **human citron rho/rac**-interacting **kinase** (CRIK) polypeptide and polynucleotide, useful in preventing, ameliorating or treating diseases associated with **human** CRIK dysfunction, e.g. obesity, diabetes or Alzheimer's disease; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: ZHU Z
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003004523 16 Jan 2003
APPLICATION INFO: WO 2002-EP7156 28 Jun 2002
PRIORITY INFO: US 2002-375014 25 Apr 2002; US 2001-301841 2 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-221576 [21]
AB DERWENT ABSTRACT:

NOVELTY - An isolated polynucleotide (I) encoding a **human citron rho/rac**-interacting **kinase** polypeptide, comprising a 6165 or 8603 base pair sequence (S1), given in the specification, hybridizing under stringent conditions to them, deviating from them due to the degeneration of the genetic code, or a fragment, derivative or allelic variation of them, is new.

DETAILED DESCRIPTION - An isolated polynucleotide (I) encoding a **human citron rho/rac**-interacting **kinase** polypeptide, comprising a 6165 or 8603 base pair sequence (S1), given in the specification, hybridizing under stringent conditions to them, deviating from them due to the degeneration of the genetic code, or a fragment, derivative or allelic variation of them, is new. (I) encodes a 2054 residue amino acid sequence (S2), given in the specification, or amino acid sequences that are at least 97 % identical to the sequence of S2. INDEPENDENT CLAIMS are included for the following: (1) a substantially purified **human** CRIK polypeptide encoded by (I); (2) an **expression** vector containing (I); (3) a host cell containing the **expression** vector of (2); (4) producing a **human** CRIK polypeptide; (5) detecting a polynucleotide encoding a **human** CRIK polypeptide in a biological sample; (6) detecting (I) or a **human** CRIK polypeptide; (7) a diagnostic kit for conducting the method of (5) or (6); (8) screening for agents that regulate or decrease the activity of a **human** CRIK; (9) reducing the activity of **human** CRIK; (10) a reagent that modulates the activity of a **human** CRIK polypeptide or polynucleotide, where the reagent is identified by the method of (8); and (11) a pharmaceutical composition comprising the **expression** vector or the reagent, and a pharmaceutical carrier.

BIOTECHNOLOGY - Preparation: The polynucleotide can be made by a cell and isolated using standard nucleic acid purification techniques, or synthesized using an amplification technique, such as PCR, or by using an automatic synthesizer. Preferred Method: Producing a **human citron rho/rac**-interacting **kinase** (CRIK) polypeptide comprises culturing the host cell under conditions suitable for the **expression** of the polypeptide, and recovering the polypeptide from the host cell culture. Detecting a polynucleotide

encoding a **human** CRIK polypeptide in a biological sample comprises hybridizing (I) to a nucleic acid material of a biological sample to form a hybridization complex, and detecting the hybridization complex formed. Before hybridization, the nucleic acid material of the biological sample is amplified. Detecting (I) or a **human** CRIK polypeptide comprises contacting a biological sample with a reagent that specifically interacts with the polynucleotide or the polypeptide, and detecting the interaction. Screening for agents that decrease the activity of a **human** CRIK comprises contacting a test compound with a **human** CRIK polypeptide encoded by (I), or with (I), and detecting binding of the test compound to the polypeptide or (I), where a test compound that binds to the polypeptide or polynucleotide is identified as a potential therapeutic agent for decreasing the activity of a **human** CRIK. Screening for agents that regulate the activity of a **human** CRIK comprises contacting a test compound with a **human** CRIK polypeptide encoded by (I), and detecting a **human** CRIK activity of the polypeptide, where a test compound that increases or decreases the **human** CRIK activity is identified as a potential therapeutic agent for increasing or decreasing, respectively, the activity of the **human** CRIK. Reducing the activity of **human** CRIK comprises contacting a cell with a reagent that specifically binds to **human** CRIK polypeptide or (I), where the activity of **human** CRIK is reduced.

ACTIVITY - Anorectic; Hypotensive; Cardiant; Antilipemic; Cerebroprotective; Antigout; Osteopathic; Antiarthritic; Cytostatic; Antidepressant; Immunomodulator; Antimanic; Tranquilizer; Antiparkinsonian; Nootropic; Neuroprotective; Antiinflammatory; Antidiabetic; Analgesic. No biological data is given.

MECHANISM OF ACTION - **Kinase** Inhibitor; **Kinase** Stimulator; Gene Therapy.

USE - The **human citron rho/rac** -interacting **kinase** (CRIK) polypeptide and polynucleotide are useful in preventing, ameliorating, or treating diseases associated with **human** CRIK dysfunction such as obesity and obesity-associated comorbidities (e.g. hypertension, coronary artery disease, hyperlipidemia, stroke, gout, osteoarthritis, some types of cancer including endometrial, breast, prostate and colon cancer), anorexia, cachexia, bulimia, central nervous system disorders (e.g. mood disorders, anxiety disorders, Parkinson's disease or Alzheimer's disease), chronic obstructive pulmonary disease, or diabetes. These can also be used to treat pain associated with the disorders. The **human** CRIK polypeptide is also useful in diagnostic assays or in genetic testing. The **expression** vector or the reagent is useful in preparing a medicament for modulating the activity of a **human** CRIK in a disease, e.g. obesity, a central nervous system disorder, or chronic obstructive pulmonary disease. (All claimed.) The fusion protein is useful for generating antibodies against CRIK polypeptide and for use in various assay systems. The methods are useful in producing and detecting the polynucleotide and polypeptide and in screening for agents that modulate the activity of the **human** CRIK polypeptide.

ADMINISTRATION - The dosage ranges from 0.1-100000 micro-g, up to a total dose of about 1g. Administration may be oral, intravenous, intramuscular, intra-arterial, subcutaneous, intramedullary, intrathecal, intraventricular, transdermal, intraperitoneal, intranasal, topical, sublingual, or rectal means.

EXAMPLE - No relevant example given.(237 pages)

L9 ANSWER 4 OF 6 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-18283 BIOTECHDS
TITLE: Novel isolated NOVX polypeptides and polynucleotides homologous to attractin, plexin, papin-like family of proteins, useful for treating atherosclerosis, diabetes, cancer, Alzheimer's disease, hemophilia and stroke;

recombinant protein production and sense and antisense sequence use in disease therapy and gene therapy

AUTHOR: GERLACH V L; MACDOUGALL J R; SMITHSON G; MILLET I; STONE D; GUNTHER E; ELLERMAN K; GROSSE W M; ALSOBROOK J P; LEPLEY D M; BURGESS C E; PADIGARU M; KEKUDA R; SPYTEK K A; LEACH M D; SHIMKETS R A
PATENT ASSIGNEE: CURAGEN CORP
PATENT INFO: WO 2002026826 4 Apr 2002
APPLICATION INFO: WO 2000-US42336 27 Sep 2000
PRIORITY INFO: US 2001-235631 26 Sep 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-499860 [53]

AB DERWENT ABSTRACT:

NOVELTY - An isolated NOVX polypeptide (I) comprising an amino acid sequence of mature form of sequence or amino sequence (S) of 841, 837, 1185, 2066, 2053, 1896, 480, 879, 442, 2814 or 2811 amino acids fully defined in specification or a variant of the above that differs not more than 15% of amino acid residues, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) an isolated nucleic acid molecule (II) comprising a nucleic acid sequence encoding (I); a nucleic acid fragment encoding a portion of a polypeptide comprising (S1) or its variant that differs not more than 15% of amino acid residues and a nucleic acid molecule comprising the complement of the above; (2) a vector (III) comprising (II); (3) an antibody (IV) that binds specifically to (I); (4) a cell (V) comprising (III); (5) modulating the activity of (I) comprising contacting a cell sample **expressing** (I) with a compound that binds to (I); (6) a pharmaceutical composition (VI) comprising (I), (II) or (IV); and (7) a kit comprising (VI), in one or more containers.

WIDER DISCLOSURE - The following are also disclosed: (1) immunoconjugates comprising (IV) conjugated to a cytotoxic agent; (2) derivatives, analogs and homologs of (II); (3) NOVX chimeric or fusion proteins, useful therapeutically, in purification of NOVX ligands, producing anti-NOVX antibodies, and in screening assays; (4) isolated antisense nucleic acids that are hybridizable or complementary to (II); and (5) a kit for detecting presence of NOVX in a sample.

BIOTECHNOLOGY - Preparation: (I) is produced by **recombinant** DNA techniques. Preferred Polypeptide: In (I), the amino acid sequence of the variant comprises a conservative amino acid substitution. (I) comprises the amino acid sequence of a naturally occurring allelic variant of (S1) i.e. the translation of a nucleic acid sequence differing by a single nucleotide from a nucleic acid sequence (S2) of 2838, 2526, 2531, 3609, 6201, 6189, 5691, 1535, 2657, 1366, 1421, 2024, 8640 or 8640 nucleotides fully defined in the specification. NOV1 is homologous to a insulin like growth factor binding protein complex-acid labile subunit-like family of proteins, NOV2 is homologous to attractin-like family of proteins, and NOV3 is homologous to a family of **RHO/RAC**-interacting **citron kinase**-like proteins.

NOV4 is homologous to the plexin-like family of proteins, NOV5 is homologous to the dopamine receptor-like family of proteins, and NOV6 is homologous to the metabotropic glutamate receptor-like family of proteins. NOV7 is homologous to members of PV-like family of proteins, and NOV8 is homologous to papin-like family of proteins. Preferred Nucleic Acid: (II) comprises the nucleotide sequence of a naturally occurring allelic nucleic acid variant, and encodes a polypeptide comprising the amino acid sequence of a naturally occurring polypeptide variant. (II) comprises a nucleotide sequence of (S2) or a sequence differing by one or more nucleotides from (S2) but does not differ more than 20% of the nucleotides and a nucleic acid fragment of the above. (II) hybridizes to (S2) or to its complement. In (II), the nucleic acid molecule comprises a sequence of a first nucleotide sequence comprising a coding sequence differing by one or more nucleotide sequences from a

coding sequence encoding the amino acid sequence, provided that not more than 20% of the nucleotides in the coding sequence in the first nucleotide sequence differ from the coding sequence; an isolated second polynucleotide complementary to the first polynucleotide; and a nucleic acid fragment of the above. Preferred Vector: (III) further comprising a promoter operably-linked to the nucleic acid molecule.

ACTIVITY - Cytostatic; Uropathic, Gynecological; Hepatotropic; Antiinflammatory; Antiinfertility; Antilipemic; Antiarteriosclerotic; Hypotensive; Dermatological; Hemostatic; Anorectic; Antidiabetic; Immunosuppressive; Antiasthmatic; Antipsoriatic; Antiallergic; Nootropic; Neuroprotective; Cerebroprotective; Antiparkinsonian; Anticonvulsant; Tranquilizer; Analgesic; Neuroleptic; Antialcoholic; Nephrotropic. No supporting data given.

MECHANISM OF ACTION - Modulator of **expression** of NOVX polypeptide; Gene therapy; Vaccine. No supporting data given.

USE - (I), (II) or (IV) is useful in treating or preventing a NOVX-associated disorder which is cardiomyopathy, atherosclerosis and diabetes in a **human**, where the disorder is related to cell signal processing and metabolic pathway modulation. (IV) is useful for determining the presence or amount of (I) in a sample. Fragment of (I) is useful as probe for determining the presence or amount of (II) in the sample. The presence or amount of (II) is useful as a marker for cancerous cell or tissue type. (I) is useful for identifying an agent which is cellular receptor or downstream effector. (I) is also useful for identifying an agent that modulates the **expression** or activity of (I). (I) or (II) is useful for determining the presence or predisposition to a disease associated with altered levels of (I) or (II), especially cancer. Polypeptide 95% identical to (I) or its biologically active fragment, or (IV) is useful for treating a pathological state in a mammal (claimed). (I) is useful as immunogen to produce (IV), and as vaccines and is also useful in screening for potential agonist and antagonist compounds. (I) is useful for screening for a modulator of activity or of latency or predisposition to disorders. Fragments of (I) (cDNA) sequence useful in chromosome mapping, tissue typing and in forensic identification of a biological sample. Probes obtained from (II) is useful for detecting transcripts or genomic sequences encoding the same or homologous proteins and identifying cells or tissues that misexpress an NOVX protein. (II) is useful in gene therapy, and in purification of (I). (II) is useful to **express** NOVX protein, to detect NOVX mRNA or a genetic lesion in an NOVX gene and to modulate NOVX activity. (I) or (II) is useful for prognostic (predictive) assays, for prophylactically treating an individual. Agent that modulate NOVX **expression** is useful for preventing or treating diseases. (I), (II) or (III) is useful in treating diseases such as hypertension, congenital heart defects, aortic stenosis, obesity, infectious disease, anorexia, cancer, Alzheimer's disease, Parkinson's disorders, neurodegenerative disorders, hemophilia, dyslipidemias, hematopoietic diseases, scleroderma, fertility, idiopathic thrombocytopenic purpura, graft versus host diseases, Crohn's disease, multiple sclerosis, cirrhosis, autoimmune disease, systemic lupus erythematosus, asthma, arthritis, psoriasis, allergy, stroke, anxiety, Lesch-Nyhan syndrome, schizophrenia, cerebellar ataxia, pain and alcoholism. (IV) is useful to detect and isolate NOVX proteins and modulate NOVX activity. (V) is useful to produce non-**human** transgenic animals which is useful for studying the function and/or activity of NOVX protein and for identifying and/or evaluating modulators of NOVX protein activity.

ADMINISTRATION - Administered by parenteral, oral, transdermal, transmucosal or rectal route. No dosage is given.

EXAMPLE - The polymerase chain reaction (PCR) primers used were primer 1: (5'-3') NOVIC: TCATCACATGACAACATGAAGCTGT and NOV7a: CCAATCTCTGATGCCCTGCGAT, primer 2 (5'-3') NOVIC: GAAAGCCCTCAAACTCTCCATCTATG and NOV7a: AGGTCAGTGCCGGAGCCTCC. These primers

were designed based on silico predictions for the full length cDNA, part (one or more exons) of the DNA or protein sequence of the target sequence or by translated homology of the predicted exons to closely related **human** sequences from other species. These primers were then employed in PCR amplification based on the pool of **human** cDNAs like adrenal gland, bone marrow, brain-whole fetal brain, pancreas, pituitary gland, placenta, prostate, salivary gland, skeletal muscle, small intestine, spinal cord, spleen, stomach, testis, thyroid, trachea and uterus. The resulting amplicons were gel purified, **cloned** and sequenced to high redundancy. The PCR product derived from exon linking was **cloned** into the PCR2.1 vector. The resulting bacterial **clone** had an insert covering the entire open reading frame **cloned** into the PCR2.1 vector. The resulting sequences from all **clones** were assembled with themselves, with other fragments in CuraGen Corporations database and with public **expressed** sequence tags (ESTs). Fragment and ESTs were included as components for an assembly when the extent of the identity with another component of the assembly was 95% over 50 bp. Sequence traces were evaluated manually and edited for corrections. Thus, the sequences encoding the full length NOVX protein of 841, 837, 1185, 2066, 2053, 1896, 480, 879, 442, 2814 or 2811 amino acids defined in the specification, was obtained. (308 pages)

L9 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:634054 HCAPLUS
DOCUMENT NUMBER: 141:167789
TITLE: Sixty-eight novel genes differentially **expressed** in tissues relating to urol. disorder and uses thereof in diagnosis, drug screening and treatment of related diseases
INVENTOR(S): Karicheti, Venkateswarlu; Silos-Santiago, Inmaculada; Eliasof, Scott D.
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 542 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004065576	A2	20040805	WO 2004-US750		20040114
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ, MZ, NA, NI					
US 2004197825	A1	20041007	US 2004-757262		20040114
PRIORITY APPLN. INFO.:			US 2003-440318P	P	20030115
			US 2003-444783P	P	20030204
			US 2003-457901P	P	20030327
			US 2003-468775P	P	20030508
			US 2003-471614P	P	20030519
			US 2003-478742P	P	20030616
			US 2003-488529P	P	20030718
			US 2003-491156P	P	20030730
			US 2003-499594P	P	20030902
			US 2003-506332P	P	20030926

AB The present invention relates to methods for the diagnosis and treatment of a urol. disorder or urol. disorders. Specifically, the present

invention identifies the differential **expression** of 68 genes in tissues relating to urol. disorder, relative to their **expression** in normal, or non-urol. disorder disease states, and/or in response to manipulations relevant to a urol. disorder. Disclosed gene IDs are 44390, 54181, 211, 5687, 884, 1405, 636, 4421, 5410, 30905, 2045, 16405, 18560, 2047, 33751, 52872, 14063, 20739, 32544, 43239, 44373, 51164, 53010, 16852, 1587, 2207, 22245, 2387, 52908, 69112, 14990, 18547, 115, 579, 15985, 15625, 760, 18603, 2395, 2554, 8675, 32720, 4809, 14303, 16816, 17827, 32620, 577, 619, 1423, 2158, 8263, 15402, 16209, 16386, 21165, 30911, 41897, 1643, 2543, 9626, 13231, 32409, 84260, 2882, 8203, 32678 and 55053. Also provided are their cDNA and protein sequences. The present invention describes methods for the diagnostic evaluation and prognosis of various urol. diseases, and for the identification of subjects exhibiting a predisposition to such conditions. The invention also provides methods for identifying a compound capable of modulating a urol. disorder or urol. disorders. The present invention also provides methods for the identification and therapeutic use of compds. as treatments of urol. disorders.

L9 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:716956 HCAPLUS
DOCUMENT NUMBER: 137:259346
TITLE: Identification, **cloning**, genomic and cDNA sequences and use of **human citron kinase** family member
INVENTOR(S): Webster, Marion; Yan, Chunhua; Di Francesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 184 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002132322	A1	20020919	US 2001-804471	20010313
US 6479269	B2	20021112		
US 6638745	B1	20031028	US 2001-916204	20010727
US 2003022340	A1	20030130	US 2002-238709	20020911
US 6680188	B2	20040120		
US 2003049795	A1	20030313	US 2002-282048	20021029
US 6692948	B2	20040217		
US 2004091993	A1	20040513	US 2003-724594	20031202
PRIORITY APPLN. INFO.:			US 2001-804471 A2	20010313
			US 2001-916204 A3	20010727
			US 2002-238709 A3	20020911

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the **human** genome, the **kinase** peptides of the present invention. The cDNA sequence and the encoded amino acid sequence of the **human kinase** that is related to the **rho/rac**-interacting **citron kinase** (CRIK) subfamily are provided. Chromosomal mapping of the **citron kinase** gene, tissue-specific **expression** profiles, and structural motifs of the polypeptide are provided. The genomic sequence of the **citron kinase** gene and SNPs that have been found in the gene are disclosed. The present invention specifically provides isolated peptide and nucleic acid mols., methods of identifying orthologs and paralogs of the **citron kinase** peptides, and methods of identifying modulators of the **citron kinase** peptides.

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E6           11     WEBSTER M C/AU
E7           52     WEBSTER M D/AU
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E9          145     WEBSTER M E/AU
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E12           1     WEBSTER M F H/AU

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E7            3     YAN C CHAN/AU
E8           16     YAN C D/AU
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E11          54     YAN C G/AU
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L11        1111 "YAN C"/AU

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E5            1     DIFRANCESCOL/AU
E6            1     DIFRANCESO D/AU
E7            2     DIFRANCESO L/AU
E8            1     DIFRANCESO R/AU
E9            1     DIFRANCESO ROBIN/AU
E10           1     DIFRANCESSO L/AU
E11           6     DIFRANCIA C/AU
E12           4     DIFRANCIA CELENE/AU

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L12         117 ("DIFRANCESCO V"/AU OR "DIFRANCESCO VALENTINA"/AU)

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E7            4     BEASLEY E W/AU
E8            2     BEASLEY E W 3RD/AU
E9            2     BEASLEY E W III/AU
E10           1     BEASLEY E W JR/AU
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=> s e3
L13         324 "BEASLEY E M"/AU

=> d his

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     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005
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L2          2521 S RHO (2W)RAC
L3          1146 S L1 AND L2
L4           438 S HUMAN AND L3
L5       6982197 S CLON? OR EXPRESS? OR RECOMBINANT
L6           214 S L4 AND L5
L7           107 DUP REM L6 (107 DUPLICATES REMOVED)
L8          1579 S CITRON
L9             6 S L7 AND L8
                 E WEBSTER M/AU
L10          852 S E3
                 E YAN C/AU
L11         1111 S E3
                 E DIFRANCESCO V/AU
L12          117 S E3-E4
                 E BEASLEY E M/AU
L13          324 S E3

=> s l10 or l11 or l12 or l13
L14        2248 L10 OR L11 OR L12 OR L13

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L15           0 L3 AND L14

=> s l2 and l15
L16           0 L2 AND L15

=> s l2 and l14
L17           3 L2 AND L14

=> d 1-3 ibib ab

L17  ANSWER 1 OF 3  EMBASE  COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
     on STN
ACCESSION NUMBER:    2003300738  EMBASE
TITLE:               WAVE2 deficiency reveals distinct roles in embryogenesis
                     and Rac-mediated actin-based motility.
AUTHOR:              Yan C.; Martinez-Quiles N.; Eden S.; Shibata T.;
                     Takeshima F.; Shinkura R.; Fujiwara Y.; Bronson R.; Snapper
                     S.B.; Kirschner M.W.; Geha R.; Rosen F.S.; Alt F.W.
CORPORATE SOURCE:    F.W. Alt, Center for Blood Research, 200 Longwood Avenue,
                     Boston, MA 02115, United States. alt@enders.tch.harvard.edu
SOURCE:              EMBO Journal, (15 Jul 2003) 22/14 (3602-3612).
                     Refs: 44
                     ISSN: 0261-4189  CODEN: EMJODG
COUNTRY:             United Kingdom
DOCUMENT TYPE:       Journal; Article
FILE SEGMENT:        008     Neurology and Neurosurgery
                     021     Developmental Biology and Teratology
LANGUAGE:            English
SUMMARY LANGUAGE:    English
```

AB The Wiskott-Aldrich syndrome related protein WAVE2 is implicated in the regulation of actin-cytoskeletal reorganization downstream of the small **Rho** GTPase, **Rac**. We inactivated the WAVE2 gene by gene-targeted mutation to examine its role in murine development and in actin assembly. WAVE2-deficient embryos survived until approximately embryonic day 12.5 and displayed growth retardation and certain morphological defects, including malformations of the ventricles in the developing brain. WAVE2-deficient embryonic stem cells displayed normal proliferation, whereas WAVE2-deficient embryonic fibroblasts exhibited severe growth defects, as well as defective cell motility in response to PDGF, lamellipodium formation and Rac-mediated actin polymerization. These results imply a non-redundant role for WAVE2 in murine embryogenesis and a critical role for WAVE2 in actin-based processes downstream of Rac that are essential for cell movement.

L17 ANSWER 2 OF 3 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 2003:650323 SCISEARCH
THE GENUINE ARTICLE: 705FU
TITLE: WAVE2 deficiency reveals distinct roles in embryogenesis and Rac-mediated actin-based motility
AUTHOR: **Yan C**; Martinez-Quiles N; Eden S; Shibata T; Takeshima F; Shinkura R; Fujiwara Y; Bronson R; Snapper S B; Kirschner M W; Geha R; Rosen F S; Alt F W (Reprint)
CORPORATE SOURCE: Ctr Blood Res, 200 Longwood Ave, Boston, MA 02115 USA (Reprint); Ctr Blood Res, Boston, MA 02115 USA; Howard Hughes Med Inst, Div Immunol, Boston, MA 02115 USA; Childrens Hosp, Div Hematol & Oncol, Boston, MA 02115 USA; Harvard Univ, Sch Med, Dept Genet, Boston, MA 02115 USA; Harvard Univ, Sch Med, Dept Cell Biol, Boston, MA 02115 USA; Harvard Univ, Sch Med, Dept Med, Boston, MA 02115 USA; Harvard Univ, Sch Med, Dept Pathol, Boston, MA 02115 USA; Massachusetts Gen Hosp, Gastrointestinal Unit Med Serv, Boston, MA 02115 USA; Massachusetts Gen Hosp, Ctr Study Inflammatory Bowel Dis, Boston, MA 02115 USA
COUNTRY OF AUTHOR: USA
SOURCE: EMBO JOURNAL, (15 JUL 2003) Vol. 22, No. 14, pp. 3602-3612

Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND.
ISSN: 0261-4189.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 44

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB The Wiskott-Aldrich syndrome related protein WAVE2 is implicated in the regulation of actin-cytoskeletal reorganization downstream of the small **Rho** GTPase, **Rac**. We inactivated the WAVE2 gene by gene-targeted mutation to examine its role in murine development and in actin assembly. WAVE2-deficient embryos survived until approximately embryonic day 12.5 and displayed growth retardation and certain morphological defects, including malformations of the ventricles in the developing brain. WAVE2-deficient embryonic stem cells displayed normal proliferation, whereas WAVE2-deficient embryonic fibroblasts exhibited severe growth defects, as well as defective cell motility in response to PDGF, lamellipodium formation and Rac-mediated actin polymerization. These results imply a non-redundant role for WAVE2 in murine embryogenesis and a critical role for WAVE2 in actin-based processes downstream of Rac that are essential for cell movement.

L17 ANSWER 3 OF 3 LIFESCI COPYRIGHT 2005 CSA on STN
ACCESSION NUMBER: 2003:92474 LIFESCI
TITLE: WAVE2 deficiency reveals distinct roles in embryogenesis

and Rac-mediated actin-based motility

AUTHOR: **Yan, C.**; Martinez-Quiles, N.; Eden, S.; Shibata, T.; Takeshima, F.; Shinkura, R.; Fujiwara, Y.; Bronson, R.; Snapper, S.B.; Kirschner, M.W.; Geha, R.; Rosen, F.S.; Alt, F.W.

CORPORATE SOURCE: Center for Blood Research, 200 Longwood Avenue, Boston, MA 02115; E-mail: altenders.tch.harvard.edu

SOURCE: EMBO Journal [EMBO J.], (20030700) vol. 22, no. 14, pp. 3602-3612.
ISSN: 0261-4189.

DOCUMENT TYPE: Journal
FILE SEGMENT: G
LANGUAGE: English
SUMMARY LANGUAGE: English

AB The Wiskott-Aldrich syndrome related protein WAVE2 is implicated in the regulation of actin-cytoskeletal reorganization downstream of the small **Rho** GTPase, **Rac**. We inactivated the WAVE2 gene by gene-targeted mutation to examine its role in murine development and in actin assembly. WAVE2-deficient embryos survived until approximately embryonic day 12.5 and displayed growth retardation and certain morphological defects, including malformations of the ventricles in the developing brain. WAVE2-deficient embryonic stem cells displayed normal proliferation, whereas WAVE2-deficient embryonic fibroblasts exhibited severe growth defects, as well as defective cell motility in response to PDGF, lamellipodium formation and Rac-mediated actin polymerization. These results imply a non-redundant role for WAVE2 in murine embryogenesis and a critical role for WAVE2 in actin-based processes downstream of Rac that are essential for cell movement.

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     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005
L1      1297642 S KINASE?
L2         2521 S RHO (2W)RAC
L3         1146 S L1 AND L2
L4          438 S HUMAN AND L3
L5      6982197 S CLON? OR EXPRESS? OR RECOMBINANT
L6          214 S L4 AND L5
L7          107 DUP REM L6 (107 DUPLICATES REMOVED)
L8         1579 S CITRON
L9            6 S L7 AND L8
                E WEBSTER M/AU
L10         852 S E3
                E YAN C/AU
L11        1111 S E3
                E DIFRANCESCO V/AU
L12         117 S E3-E4
                E BEASLEY E M/AU
L13         324 S E3
L14        2248 S L10 OR L11 OR L12 OR L13
L15           0 S L3 AND L14
L16           0 S L2 AND L15
L17           3 S L2 AND L14

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L18     482974 L1 AND HUMAN

=> s l5 and l18
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L19 241097 L5 AND L18

=> s l14 and l19
L20 116 L14 AND L19

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PROCESSING COMPLETED FOR L20
L21 95 DUP REM L20 (21 DUPLICATES REMOVED)

=> d 1-95 ibib

L21 ANSWER 1 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2005-07862 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue; production of a **recombinant** protein-**kinase** and use of the encoding gene for cancer gene therapy and for a drug screening application
AUTHOR: **WEBSTER M**; WEI M; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2005026267 3 Feb 2005
APPLICATION INFO: US 2004-932135 2 Sep 2004
PRIORITY INFO: US 2004-932135 2 Sep 2004; US 2001-803671 12 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2005-141381 [15]

L21 ANSWER 2 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2005-05880 BIOTECHDS
TITLE: New isolated **human kinase** peptides and nucleic acids, useful for diagnosing and treating disorders mediated by the **human kinase** protein, such as cancer, inflammation, arteriosclerosis and psoriasis; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein-**kinase** production for use in disease diagnosis and therapy
AUTHOR: GONG F; WEI M; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2005009090 13 Jan 2005
APPLICATION INFO: US 2004-921169 19 Aug 2004
PRIORITY INFO: US 2004-921169 19 Aug 2004; US 2001-813818 22 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2005-090395 [10]

L21 ANSWER 3 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-26500 BIOTECHDS
TITLE: New isolated **human kinase** proteins useful for diagnosing, preventing or treating disorders associated with aberrant **expression** of **kinase** proteins or for pharmacogenomic analysis; **recombinant** protein production and antibody for use in disease therapy and gene therapy
AUTHOR: **YAN C**; GONG F; MERKULOV G; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004214278 28 Oct 2004
APPLICATION INFO: US 2003-740835 22 Dec 2003
PRIORITY INFO: US 2003-740835 22 Dec 2003; US 2001-817181 27 Mar 2001
DOCUMENT TYPE: Patent

LANGUAGE: English
OTHER SOURCE: WPI: 2004-765618 [75]

L21 ANSWER 4 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-23490 BIOTECHDS
TITLE: New isolated **human kinase** peptide useful for diagnosing and/or treating disorders with aberrant **expression** of **human kinases**, such as inflammation, cancer, arteriosclerosis and psoriasis; **recombinant** enzyme protein production and antibody for use in disease therapy
AUTHOR: **YAN C**; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004175751 9 Sep 2004
APPLICATION INFO: US 2004-820230 8 Apr 2004
PRIORITY INFO: US 2004-820230 8 Apr 2004; US 2001-813817 22 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-661386 [64]

L21 ANSWER 5 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-21367 BIOTECHDS
TITLE: New **human kinase** protein, useful for treating a disease or condition mediated by a **human kinase** protein, e.g. tumors and carcinomas; vector-mediated enzyme gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: ABU-THREIDEH J; GONG F; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004157297 12 Aug 2004
APPLICATION INFO: US 2004-799676 15 Mar 2004
PRIORITY INFO: US 2004-799676 15 Mar 2004; US 2001-759359 16 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-592773 [57]

L21 ANSWER 6 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-20366 BIOTECHDS
TITLE: New isolated **human kinase** peptide, useful for developing **human** therapeutic targets, identifying therapeutic proteins, or as targets for developing **human** therapeutic agents that modulate **kinase** activity in cells and tissues; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production for sue in disease diagnosis and therapy
AUTHOR: **YAN C**; LI Z; NEELAM B; **DIFRANCESCO V**; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004137499 15 Jul 2004
APPLICATION INFO: US 2004-760407 21 Jan 2004
PRIORITY INFO: US 2004-760407 21 Jan 2004; US 2001-984890 31 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-533359 [51]

L21 ANSWER 7 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-19855 BIOTECHDS
TITLE: New **human kinase** peptide, useful for predicting, diagnosing, preventing, or treating disorders,

e.g. cancer or other abnormalities of cell or tissue growth; **recombinant** enzyme protein production via plasmid **expression** in host cell for use in disease therapy and gene therapy

AUTHOR: GUEGLER K; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004126861 1 Jul 2004
APPLICATION INFO: US 2004-751985 7 Jan 2004
PRIORITY INFO: US 2004-751985 7 Jan 2004; US 2000-731231 7 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-524862 [50]

L21 ANSWER 8 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-16244 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue; vector-mediated enzyme gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy

AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004101885 27 May 2004
APPLICATION INFO: US 2003-623505 22 Jul 2003
PRIORITY INFO: US 2003-623505 22 Jul 2003; US 2001-800960 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-399687 [37]

L21 ANSWER 9 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-15488 BIOTECHDS
TITLE: New isolated **human kinase** proteins and nucleic acids, useful for developing **human** therapeutic targets, identifying therapeutic proteins or serve as targets for the development of **human** therapeutic agents that modulate **kinase** activity; **recombinant kinase** protein production useful for drug screening assays

AUTHOR: **WEBSTER M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004091993 13 May 2004
APPLICATION INFO: US 2003-724594 2 Dec 2003
PRIORITY INFO: US 2003-724594 2 Dec 2003; US 2001-804471 13 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-374957 [35]

L21 ANSWER 10 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-15378 BIOTECHDS
TITLE: New isolated **human kinase** proteins, useful for diagnosing or treating disorders having an absence of, inappropriate, or unwanted **expression** of the protein; **recombinant** enzyme protein production for use in disease therapy and diagnosis

AUTHOR: WEI M; KETCHUM K A; **BEASLEY E M**; DI FRANCESCO V
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004081999 29 Apr 2004
APPLICATION INFO: US 2003-681223 9 Oct 2003
PRIORITY INFO: US 2003-681223 9 Oct 2003; US 2001-984880 31 Oct 2001

DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-347669 [32]

L21 ANSWER 11 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-13988 BIOTECHDS
TITLE: New **human kinase** peptides, useful for preparing a composition for treating a disease or condition mediated by **human kinases**; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: GAN W; YE J; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004063130 1 Apr 2004
APPLICATION INFO: US 2003-660763 12 Sep 2003
PRIORITY INFO: US 2003-660763 12 Sep 2003; US 2001-817180 27 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-282461 [26]

L21 ANSWER 12 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-14445 BIOTECHDS
TITLE: New isolated **human kinase** peptides, useful as models for developing **human** therapeutic targets, aid in the identification of therapeutic proteins, or for diagnosing, preventing and treating **kinase** -related conditions; **recombinant** enzyme protein production and antibody for use in disease therapy and gene therapy
AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2004043466 4 Mar 2004
APPLICATION INFO: US 2003-667442 23 Sep 2003
PRIORITY INFO: US 2003-667442 23 Sep 2003; US 2001-801876 9 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-280746 [26]

L21 ANSWER 13 OF 95 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2004402383 EMBASE
TITLE: The hinge-helix 1 region of peroxisome proliferator-activated receptor γ1 (PPARγ1) mediates interaction with extracellular signal-regulated **kinase** 5 and PPARγ1 transcriptional activation: Involvement in flow-induced PPARγ activation in endothelial cells.
AUTHOR: Akaike M.; Che W.; Marmarosh N.-L.; Ohta S.; Osawa M.; Ding B.; Berk B.C.; **Yan C.**; Abe J.-I.
CORPORATE SOURCE: J.-I. Abe, Center for Cardiovascular Research, Box 679, Univ. Rochester Sch. of Med./Dent., 601 Elmwood Ave., Rochester, NY 14642, United States. jun-chi_abe@urmc.rochester.edu
SOURCE: Molecular and Cellular Biology, (2004) 24/19 (8691-8704). Refs: 39
ISSN: 0270-7306 CODEN: MCEBD4
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L21 ANSWER 14 OF 95 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 1
ACCESSION NUMBER: 2004395507 EMBASE
TITLE: Gas6 inhibits apoptosis in vascular smooth muscle: Role of Axl **kinase** and Akt.
AUTHOR: Melaragno M.G.; Cavet M.E.; **Yan C.**; Tai L.-K.; Jin Z.-G.; Haendeler J.; Berk B.C.
CORPORATE SOURCE: . bradford_berk@urmc.rochester.edu
SOURCE: Journal of Molecular and Cellular Cardiology, (2004) 37/4 (881-887).
Refs: 28
ISSN: 0022-2828 CODEN: JMCDAY
PUBLISHER IDENT.: S 0022-2828(04)00204-4
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
018 Cardiovascular Diseases and Cardiovascular Surgery
LANGUAGE: English
SUMMARY LANGUAGE: English

L21 ANSWER 15 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 2
ACCESSION NUMBER: 2003-23395 BIOTECHDS
TITLE: New isolated **human kinase** proteins, useful for treating disorders mediated by **kinase** pathway (e.g. cancers, inflammations, arteriosclerosis or psoriasis), or for development of **human** therapeutics and diagnostic compositions;
involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy
AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003027307 6 Feb 2003
APPLICATION INFO: US 2002-254869 26 Sep 2002
PRIORITY INFO: US 2002-254869 26 Sep 2002; US 2001-801876 9 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-492035 [58]

L21 ANSWER 16 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-01953 BIOTECHDS
TITLE: New **human kinase** proteins and nucleic acids, useful as targets for drug action and development, in eliciting an immune response or in diagnosing and treating a disease or condition mediated by **human kinase** protein;
human recombinant kinase prepare, vector-mediated gene transfer, **expression** in host cell, appl. brain neuroblastoma, liver adenocarcinoma, kidney cell adenocarcinoma, duodenal adenocarcinoma, hypernephroma therapy, gene therapy, diagnosis
AUTHOR: ABU-THREIDEH J; NEELAM B; **YAN C**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003095612 20 Nov 2003
APPLICATION INFO: WO 2003-US13975 5 May 2003
PRIORITY INFO: US 2002-380134 6 May 2002; US 2002-380134 6 May 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-903976 [82]

L21 ANSWER 17 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-01966 BIOTECHDS

TITLE: New **human kinase** peptides useful for treating disorders associated with abnormal **expression** of enzyme protein liver, kidneys, pancreas ;

human recombinant protein-**kinase** prepare, vector-mediated gene transfer, **expression** in host cell, transgenic animal, DNA probe, DNA primer, appl. drug screening, tissue typing, pharmacogenomics, therapy

AUTHOR: SUN J; NEELAM B; **YAN C**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003093435 13 Nov 2003
APPLICATION INFO: WO 2003-US13718 2 May 2003
PRIORITY INFO: US 2003-428164 2 May 2003; US 2002-377288 3 May 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-011889 [01]

L21 ANSWER 18 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-25729 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue;

recombinant enzyme protein production via plasmid **expression** in host cell for use in disease therapy and gene therapy

AUTHOR: **YAN C**; GAN W
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003076577 18 Sep 2003
APPLICATION INFO: WO 2003-US6666 5 Mar 2003
PRIORITY INFO: US 2002-361339 5 Mar 2002; US 2002-361339 5 Mar 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-722329 [68]

L21 ANSWER 19 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-26142 BIOTECHDS
TITLE: New isolated **human kinase** proteins, useful as models for developing **human** therapeutic targets, in the identification of therapeutic proteins, or for diagnosing and treating **kinase**-related conditions, e.g. cancer or diabetes;

recombinant protein production via plasmid **expression** in host cell for use in disease therapy and gene therapy

AUTHOR: **YAN C**; KE Z
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003066835 14 Aug 2003
APPLICATION INFO: WO 2003-US3967 10 Feb 2003
PRIORITY INFO: US 2002-67977 8 Feb 2002; US 2002-67977 8 Feb 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-748126 [70]

L21 ANSWER 20 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-17732 BIOTECHDS
TITLE: New isolated **human kinase** peptides and nucleic acids, useful for diagnosing a disease, predisposition to a disease, or treating a disorder associated with an absence of, inappropriate or unwanted **expression** of the protein, e.g. cancer;

human recombinant protein production

useful for cancer gene therapy, diagnosis, **expression** profiling, pharmacogenomics, tissue typing and functional proteomics analysis
AUTHOR: NEELAM B; MILSHINA N; **YAN C**; DI FRANCESCO V; **BEASLEY E M**; KETCHUM K
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003037910 8 May 2003
APPLICATION INFO: WO 2002-US34708 30 Oct 2002
PRIORITY INFO: US 2001-330756 30 Oct 2001; US 2001-330756 30 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-457387 [43]

L21 ANSWER 21 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-11420 BIOTECHDS
TITLE: New isolated **human kinase** peptides and genes, useful for developing therapeutic or diagnostic compositions, particularly for developing **human** therapeutic agents that modulate **kinase** activity in cells or tissues;
vector-mediated **recombinant** enzyme gene transfer and **expression** in host cell for use as a diagnostic
AUTHOR: WEI M; CHATURVEDI K; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2003012034 13 Feb 2003
APPLICATION INFO: WO 2002-US23268 23 Jul 2002
PRIORITY INFO: US 2001-916204 27 Jul 2001; US 2001-916204 27 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-248162 [24]

L21 ANSWER 22 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-07668 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue;
recombinant enzyme protein production and antibody for use in disease therapy and gene therapy
AUTHOR: **YAN C**; LI Z; NEELAM B; **DIFRANCESCO V**; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003232408 18 Dec 2003
APPLICATION INFO: US 2002-274194 21 Oct 2002
PRIORITY INFO: US 2002-274194 21 Oct 2002; US 2001-984890 31 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-061277 [06]

L21 ANSWER 23 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-09042 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue;
recombinant protein production for use in disease therapy and gene therapy
AUTHOR: YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003228674 11 Dec 2003
APPLICATION INFO: US 2003-441282 20 May 2003
PRIORITY INFO: US 2003-441282 20 May 2003; US 2000-210458 9 Jun 2000

DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-097631 [10]

L21 ANSWER 24 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-11100 BIOTECHDS
TITLE: Novel **human kinase** protein, related to serine/threonine **kinase** subfamily, useful as model for developing **human** therapeutic targets and serves as target for **human** therapeutics;
vector-mediated protein-**kinase** gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: NEELAM B; YAN X; **YAN C**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003207311 6 Nov 2003
APPLICATION INFO: US 2003-427923 2 May 2003
PRIORITY INFO: US 2003-427923 2 May 2003; US 2002-377592 6 May 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-166978 [16]

L21 ANSWER 25 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-04630 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue;
involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy
AUTHOR: ABU-THREIDEH J; GONG F; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003175927 18 Sep 2003
APPLICATION INFO: US 2002-207973 31 Jul 2002
PRIORITY INFO: US 2002-207973 31 Jul 2002; US 2001-759359 16 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-898544 [82]

L21 ANSWER 26 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-10050 BIOTECHDS
TITLE: A new isolated peptide related to the calcium/calmodulin-dependent protein **kinase** subfamily is useful to diagnose disorders and identify a compounds useful to treat disorders associated with **expression** of a **kinase** gene;
vector-mediated protein-**kinase**-related peptide gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and disease therapy
AUTHOR: **YAN C**; GONG F
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 2003175926 18 Sep 2003
APPLICATION INFO: US 2002-90002 5 Mar 2002
PRIORITY INFO: US 2002-90002 5 Mar 2002; US 2002-90002 5 Mar 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-119185 [12]

L21 ANSWER 27 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-04147 BIOTECHDS
TITLE: New peptides related to **kinase** protein subfamily

useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue; vector-mediated **kinase**-related protein gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy

AUTHOR: **YAN C**; ABU-THREIDEH J; SHAO W; MERKULOV G; DI FRANCESCO V; **BEASLEY E M**

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: US 2003166219 4 Sep 2003

APPLICATION INFO: US 2002-153919 24 May 2002

PRIORITY INFO: US 2002-153919 24 May 2002; US 2000-209585 6 Jun 2000

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2003-898083 [82]

L21 ANSWER 28 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2004-04146 BIOTECHDS

TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue; involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy

AUTHOR: WEI M; GUEGLER K; KETCHUM K A; MERKULOV G; WOODAGE T; DI FRANCESCO V; **BEASLEY E M**

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: US 2003166218 4 Sep 2003

APPLICATION INFO: US 2002-153917 24 May 2002

PRIORITY INFO: US 2002-153917 24 May 2002; US 2000-209585 6 Jun 2000

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2003-898082 [82]

L21 ANSWER 29 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2004-04145 BIOTECHDS

TITLE: New peptides related to **kinase** protein subfamily useful for treating disorders associated with abnormal **expression** of **kinase** protein in testis, nervous tissue, fetal, lung, ovary tumor tissue; involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy, drug screening and pharmacogenetics

AUTHOR: **YAN C**; KETCHUM K A; **DIFRANCESCO V**; **BEASLEY E M**

PATENT ASSIGNEE: PE CORP NY

PATENT INFO: US 2003166215 4 Sep 2003

APPLICATION INFO: US 2002-135696 1 May 2002

PRIORITY INFO: US 2002-135696 1 May 2002; US 2001-813817 22 Mar 2001

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2003-898081 [82]

L21 ANSWER 30 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

ACCESSION NUMBER: 2003-27346 BIOTECHDS

TITLE: Novel isolated **human kinase** protein useful for drug screening assays, as a target for diagnosing disease, pharmacogenomic analysis, and for identifying compounds that modulate **kinase** activity; **recombinant** protein production via plasmid **expression** in host cell for use in disease therapy

AUTHOR: WEI M; KETCHUM K A; **BEASLEY E M**; **DIFRANCESCO**

V
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003087294 8 May 2003
APPLICATION INFO: US 2002-277032 22 Oct 2002
PRIORITY INFO: US 2002-277032 22 Oct 2002; US 2001-984880 31 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-765435 [72]

L21 ANSWER 31 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-20468 BIOTECHDS
TITLE: New isolated **human kinase** peptide, useful for diagnosing or treating a disease characterized by an absence of, inappropriate or unwanted **expression** of the **kinase** protein, and in drug screening assays; **recombinant** enzyme protein production via plasmid **expression** in host cell for use in disease gene therapy
AUTHOR: **WEBSTER M**; WEI M; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003054529 20 Mar 2003
APPLICATION INFO: US 2002-274409 21 Oct 2002
PRIORITY INFO: US 2002-274409 21 Oct 2002; US 2001-803671 12 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-540618 [51]

L21 ANSWER 32 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-17259 BIOTECHDS
TITLE: New **human kinase** peptides useful as models or targets for the development of therapeutic agents that modulate **kinase** activity, for eliciting immune response, and in identifying compounds that modulate **kinase** activity or **expression**; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: **WEBSTER M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003022340 30 Jan 2003
APPLICATION INFO: US 2002-238709 11 Sep 2002
PRIORITY INFO: US 2002-238709 11 Sep 2002; US 2001-804471 13 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-438978 [41]

L21 ANSWER 33 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-17263 BIOTECHDS
TITLE: New **kinase** peptides and nucleic acids encoding the peptides, useful in developing therapeutic targets, in identifying therapeutic proteins, in eliciting immune response, in pharmacogenomics, and in gene therapy; involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy and pharmacogenetics
AUTHOR: GONG F; WEI M; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 2003003560 2 Jan 2003
APPLICATION INFO: US 2002-199333 22 Jul 2002
PRIORITY INFO: US 2002-199333 22 Jul 2002; US 2001-813818 22 Mar 2001
DOCUMENT TYPE: Patent

LANGUAGE: English
OTHER SOURCE: WPI: 2003-447353 [42]

L21 ANSWER 34 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-28783 BIOTECHDS
TITLE: New isolated nucleic acid molecule encoding a mitogen activated protein **kinase**/extracellular-signal regulated **kinase kinase kinase**, for use as probes, primers, chemical intermediates and in biological assays;
vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: **WEBSTER M**; WEI M; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 6582946 24 Jun 2003
APPLICATION INFO: US 2001-803671 12 Mar 2001
PRIORITY INFO: US 2001-803671 12 Mar 2001; US 2001-803671 12 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-799834 [75]

L21 ANSWER 35 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-26749 BIOTECHDS
TITLE: New modified mitogen activated protein **kinase** 1/extracellular signal-regulated **kinase** 1 and MEK2 useful for utilizing molecular replacement to obtain structural information about molecular complex of unknown structure;
involving vector-mediated gene transfer and **expression** in host cell for use in bioinformatic software
AUTHOR: CHEN H; DELANEY A M; DUDLEY D T; HASEMANN C A; KUFFA P; MCCONNELL P C; OHREN J F; PAVLOVSKY A G; TECLE H; WHITEHEAD C E; **YAN C**; ZHANG E
PATENT ASSIGNEE: WARNER LAMBERT CO
PATENT INFO: EP 1321518 25 Jun 2003
APPLICATION INFO: EP 2002-258507 10 Dec 2002
PRIORITY INFO: US 2001-341882 21 Dec 2001; US 2001-341882 21 Dec 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-758151 [72]

L21 ANSWER 36 OF 95 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:851250 HCAPLUS
DOCUMENT NUMBER: 139:346785
TITLE: **Cloning**, sequence and characterization of a **human** citron **kinase** homolog gene
INVENTOR(S): Wei, Ming-Hui; Chaturvedi, Kabir; **DiFrancesco, Valentina**; Beasley, Ellen M.
PATENT ASSIGNEE(S): Applera Corporation, USA
SOURCE: U.S., 78 pp., Cont.-in-part of U.S. Ser. No. 804,471.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6638745	B1	20031028	US 2001-916204	20010727
US 2002132322	A1	20020919	US 2001-804471	20010313

US 6479269 B2 20021112
WO 2003012034 A2 20030213 WO 2002-US23268 20020723
WO 2003012034 A3 20031016
WO 2003012034 C2 20040304
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
EP 1419242 A2 20040519 EP 2002-791541 20020723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
US 2003049795 A1 20030313 US 2002-282048 20021029
US 6692948 B2 20040217
PRIORITY APPLN. INFO.: US 2001-804471 A2 20010313
US 2001-916204 A 20010727
WO 2002-US23268 W 20020723
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 37 OF 95 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 3
ACCESSION NUMBER: 2003412947 EMBASE
TITLE: Inhibition of tumor necrosis factor-α-induced SHP-2 phosphatase activity by shear stress: A mechanism to reduce endothelial inflammation.
AUTHOR: Lerner-Marmarosh N.; Yoshizumi M.; Che W.; Surapisitchat J.; Kawakatsu H.; Akaike M.; Ding B.; Huang Q.; **Yan C.**; Berk B.C.; Abe J.-I.
CORPORATE SOURCE: Dr. J.-I. Abe, Cardiology Unit, University of Rochester, School of Medicine and Dentistry, 601 Elmwood Ave, Rochester, NY 14642, United States. jun-ichi_abe@urmc.rochester.edu
SOURCE: Arteriosclerosis, Thrombosis, and Vascular Biology, (2003) 23/10 (1775-1781).
Refs: 36
ISSN: 1079-5642 CODEN: ATVBFA
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
018 Cardiovascular Diseases and Cardiovascular Surgery
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L21 ANSWER 38 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-08155 BIOTECHDS
TITLE: New **human kinase** peptide and nucleic acid encoding the peptide, useful as models for developing **human** therapeutic targets, in identifying therapeutic proteins, and in pharmacogenomic analysis; vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: **WEBSTER M**; WEI M; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002090525 14 Nov 2002

APPLICATION INFO: WO 2002-US7155 8 Mar 2002
PRIORITY INFO: US 2001-849334 7 May 2001; US 2001-849334 7 May 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-103515 [09]

L21 ANSWER 39 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-07390 BIOTECHDS
TITLE: Novel **human kinase** protein **expressed** in lung carcinoma and placenta is useful to diagnose and treat diseases and disorders associated with **expression** or activity of the protein; **recombinant** protein production and its encoding gene useful for gene therapy and diagnosis
AUTHOR: **WEBSTER M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002081727 17 Oct 2002
APPLICATION INFO: WO 2002-US10156 2 Apr 2002
PRIORITY INFO: US 2001-873404 5 Jun 2001; US 2001-824583 3 Apr 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-058562 [05]

L21 ANSWER 40 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-06722 BIOTECHDS
TITLE: New peptides related to P2X-like purigenic receptor subfamily, useful for treating disorders associated with abnormal **expression** of protease in anaplastic oligodendroglioma, leukemia, carcinoid lung, or large cell lung carcinoma; **recombinant** protein production, transgenic animal and drug screening useful for gene therapy, functional genomics and pharmacogenomics analysis
AUTHOR: WEI M; GONG F; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002079229 10 Oct 2002
APPLICATION INFO: WO 2002-US9545 28 Mar 2002
PRIORITY INFO: US 2001-820095 29 Mar 2001; US 2001-820095 29 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-040648 [03]

L21 ANSWER 41 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-07439 BIOTECHDS
TITLE: New **human kinase** protein, useful for treating or diagnosing disorders associated with an absence of, inappropriate, or unwanted **expression** of the protein, e.g. inflammation or cancer, in drug screening assays and pharmacogenomics; **recombinant** protein production and antibody for use in disease gene therapy
AUTHOR: MERKULOV G V; GONG F; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002077192 3 Oct 2002
APPLICATION INFO: WO 2002-US9326 27 Mar 2002
PRIORITY INFO: US 2001-817181 27 Mar 2001; US 2001-817181 27 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-092851 [08]

L21 ANSWER 42 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-06598 BIOTECHDS

TITLE: New **human kinase** protein, useful for treating or diagnosing disorders associated with an absence of, inappropriate, or unwanted **expression** of the protein, e.g. inflammation or cancer, in drug screening assays and pharmacogenomics;
recombinant enzyme protein production via plasmid **expression** in host cell use in disease gene therapy
AUTHOR: GAN W; YE J; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002077191 3 Oct 2002
APPLICATION INFO: WO 2002-US9325 27 Mar 2002
PRIORITY INFO: US 2001-3295 6 Dec 2001; US 2001-817180 27 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-029927 [02]

L21 ANSWER 43 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-04663 BIOTECHDS
TITLE: New isolated **human kinase** peptides and nucleic acids, useful for diagnosing a disease, predisposition to a disease, or treating a disorder characterized by an absence of, inappropriate or unwanted **expression** of the protein;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in gene therapy
AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002072810 19 Sep 2002
APPLICATION INFO: WO 2002-US6687 5 Mar 2002
PRIORITY INFO: US 2001-801191 8 Mar 2001; US 2001-801191 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-723347 [78]

L21 ANSWER 44 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-05392 BIOTECHDS
TITLE: New isolated Ras-like protein polypeptides, useful for treating AIDS, neurodegenerative diseases, ischemic injuries, toxin-induced diseases, viral infections, cancer and osteoporosis;
vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: GAN W; YE J; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002072765 19 Sep 2002
APPLICATION INFO: WO 2002-US7159 8 Mar 2002
PRIORITY INFO: US 2001-805455 14 Mar 2001; US 2001-805455 14 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-750490 [81]

L21 ANSWER 45 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-03168 BIOTECHDS
TITLE: New **human** EGF-module-containing mucin-like hormone receptor 1 (EMR1) peptides and nucleic acid molecules useful for treating disorders associated with abnormal **expression** of EMR1 in kidney tumors, brain glioblastomas, leukocytes;
human recombinant protein production, DNA chip and transgenic animal useful for disease gene

therapy, tissue typing and pharmacogenomics
AUTHOR: GONG F; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002066644 29 Aug 2002
APPLICATION INFO: WO 2002-US2627 31 Jan 2002
PRIORITY INFO: US 2001-784317 16 Feb 2001; US 2001-784317 16 Feb 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-674943 [72]

L21 ANSWER 46 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-01913 BIOTECHDS
TITLE: New **human kinase** peptide and nucleic acid molecule, useful for treating disorders associated with abnormal **expression** of **kinase** protein, e.g. retinoblastoma, Wilm's tumor, in drug screening assays and pharmacogenomic analysis;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in drug screening, pharmacogenetics and gene therapy
AUTHOR: RUSCH D; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002061062 8 Aug 2002
APPLICATION INFO: WO 2002-US2152 29 Jan 2002
PRIORITY INFO: US 2001-849334 7 Mar 2001; US 2001-773371 1 Feb 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-608516 [65]

L21 ANSWER 47 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-01912 BIOTECHDS
TITLE: New **human kinase** peptide and nucleic acid molecule, useful for treating disorders associated with abnormal **expression** of **kinase** protein, e.g. adenocarcinoma of uterus or lung, in drug screening assays and pharmacogenomic analysis;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in drug screening, pharmacogenetics and gene therapy
AUTHOR: **YAN C**; KETCHUM K; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002061060 8 Aug 2002
APPLICATION INFO: WO 2002-US1106 17 Jan 2002
PRIORITY INFO: US 2001-801861 9 Mar 2001; US 2001-265151 31 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-608515 [65]

L21 ANSWER 48 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-01882 BIOTECHDS
TITLE: New peptides related to serine/threonine protein **kinase** subfamily, useful for treating disorders associated with abnormal **expression** of **kinase** in prostate, lungs and brain, in drug screening assays and pharmacogenomic analysis;
recombinant protein production and sense and antisense sequence use in gene therapy
AUTHOR: **BEASLEY E M**; YE J; **YAN C**; KETCHUM K A; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002059288 1 Aug 2002
APPLICATION INFO: WO 2002-US930 15 Jan 2002

PRIORITY INFO: US 2001-819607 29 Mar 2001; US 2001-263162 23 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-599781 [64]

L21 ANSWER 49 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-01870 BIOTECHDS
TITLE: New peptides encoded by genes within the **human** genome useful for treating disorders associated with abnormal **expression** of **kinase**, e.g. inflammation, cancer, arteriosclerosis, in drug screening assays and pharmacogenomic analysis;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in drug screening, gene therapy and pharmacogenetics
AUTHOR: GUEGLER K; **WEBSTER M**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP
PATENT INFO: WO 2002057432 25 Jul 2002
APPLICATION INFO: WO 2002-US112 2 Jan 2002
PRIORITY INFO: US 2001-751389 2 Jan 2001; US 2001-751389 2 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-599718 [64]

L21 ANSWER 50 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-01130 BIOTECHDS
TITLE: **Human kinase** protein, related to homeodomain-interacting protein **kinase** subfamily, useful as a model for developing **human** therapeutic targets and serves as a target for **human** therapeutics;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for disease diagnosis, gene therapy and pharmacogenomics
AUTHOR: CHANDRAMOULISWARAN I; GUEGLER K; **WEBSTER M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002053717 11 Jul 2002
APPLICATION INFO: WO 2001-US48534 19 Dec 2001
PRIORITY INFO: US 2000-749588 28 Dec 2000; US 2000-749588 28 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-583610 [62]

L21 ANSWER 51 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-00789 BIOTECHDS
TITLE: New isolated **human kinase** proteins and genes, useful in developing drugs, as well as for diagnosing, preventing or treating disorders associated with defective cell signal transduction, e.g. cancer or hematopoietic disorders;
vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy
AUTHOR: **BEASLEY E M**; SHAO W; KETCHUM K; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002052018 4 Jul 2002
APPLICATION INFO: WO 2001-US48546 19 Dec 2001
PRIORITY INFO: US 2000-741154 21 Dec 2000; US 2000-741154 21 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-583568 [62]

L21 ANSWER 52 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-00774 BIOTECHDS
TITLE: Novel isolated **human kinase** peptide useful for treating disorder characterized by absence of, inappropriate or unwanted **expression** of the receptor protein, and as immunogens to raise antibodies; vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use as a DNA primer and DNA probe and in drug screening and gene therapy
AUTHOR: YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002048328 20 Jun 2002
APPLICATION INFO: WO 2001-US30539 28 Sep 2001
PRIORITY INFO: US 2001-962276 26 Sep 2001; US 2000-799345 14 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-583502 [62]

L21 ANSWER 53 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-18305 BIOTECHDS
TITLE: New **kinase** proteins related to myosin light chain **kinase** subfamily and encoding polynucleotide, useful for diagnosing, treating disease or condition mediated by the **kinase** protein and for identifying modulators; vector-mediated **recombinant** protein gene transfer and **expression** in host cell, DNA chip and DNA microarray for use in drug screening, disease diagnosis, therapy, gene therapy and pharmacogenomics
AUTHOR: WEI M; KETCHUM K; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002040683 23 May 2002
APPLICATION INFO: WO 2000-US32616 14 Nov 2000
PRIORITY INFO: US 2001-858664 17 May 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-500223 [53]

L21 ANSWER 54 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-14126 BIOTECHDS
TITLE: Novel peptide designated as **human kinase** useful as target for diagnosing a disease or predisposition to the disease mediated by the peptide; vector-mediated gene transfer, **expression** in host cell and antibody for **recombinant** protein production, drug screening and gene therapy
AUTHOR: **BEASLEY E M**; WEI M; BONAZZI V R; SANDERS R; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002024920 28 Mar 2002
APPLICATION INFO: WO 2000-US29161 19 Sep 2000
PRIORITY INFO: US 2000-729995 6 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-404955 [43]

L21 ANSWER 55 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-13568 BIOTECHDS
TITLE: Novel **human kinase** protein, related to protein **kinase** C subfamily, useful as model for developing **human** therapeutic targets and serves as target for **human** therapeutics;

recombinant enzyme gene production, antibody, transgenic animal and ribozyme for use in disease therapy and gene therapy

AUTHOR: LI J; GUEGLER K; **BEASLEY E M**; KETCHUM K A; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: WO 2002022795 21 Mar 2002
APPLICATION INFO: WO 2000-US28652 14 Sep 2000
PRIORITY INFO: US 2000-735934 14 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-393960 [42]

L21 ANSWER 56 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-12722 BIOTECHDS
TITLE: A **human kinase** protein that is related to the serine/threonine **kinase** subfamily, useful as models for development of **human** therapeutic targets and serves as targets for developing **human** therapeutic agents;
antibody, DNA chip, transgenic animal generation, fusion protein, drug screening, DNA probe, DNA primer and ribozyme, useful for gene therapy, diagnosis, pharmacogenomics analysis, clinical trial and **expression** profiling
AUTHOR: **WEBSTER M**; LI Z; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2002018553 7 Mar 2002
APPLICATION INFO: WO 2000-US26260 31 Aug 2000
PRIORITY INFO: US 2001-797908 5 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-304251 [34]

L21 ANSWER 57 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-12182 BIOTECHDS
TITLE: New **human kinase** proteins and nucleic acids, useful in drug screening assays, identifying modulators of **kinase** activity or treating disorders characterized by absence or unwanted **expression** of the protein;
transgenic animal generation, DNA chip, DNA probe, DNA primer and drug screening, useful for gene therapy and pharmacogenomics
AUTHOR: **YAN C**; YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2002016567 28 Feb 2002
APPLICATION INFO: WO 2000-US26389 24 Aug 2000
PRIORITY INFO: US 2001-810671 19 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-269354 [31]

L21 ANSWER 58 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-10036 BIOTECHDS
TITLE: New isolated **human kinase** proteins, useful for developing therapeutic or diagnostic compositions, particularly for developing modulators of MAP/microtubule affinity-regulating **kinase** activity in cells or tissues;
vector-mediated **recombinant** protein gene

transfer and **expression** in host cell for use in diagnosis and therapy
AUTHOR: YAN X; KETCHUM K; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: YAN X; KETCHUM K; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2002151020 17 Oct 2002
APPLICATION INFO: US 2001-835081 16 Apr 2001
PRIORITY INFO: US 2001-835081 16 Apr 2001; US 2001-835081 16 Apr 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-198290 [19]

L21 ANSWER 59 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-11033 BIOTECHDS
TITLE: New **human kinase** peptide, useful for preparing a composition for treating a disease or condition mediated by a **human** enzyme protein e.g. cancer; vector **expression** in host cell and disease therapy and gene therapy
AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 2002132325 19 Sep 2002
APPLICATION INFO: US 2002-96960 14 Mar 2002
PRIORITY INFO: US 2002-96960 14 Mar 2002; US 2001-800960 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-247084 [24]

L21 ANSWER 60 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-25080 BIOTECHDS
TITLE: New isolated **human kinase** proteins, useful as models for developing **human** therapeutic targets, or for treating a disorder associated with an absence of, inappropriate or unwanted **expression** of the protein, e.g. cancer; **recombinant** enzyme protein production via plasmid **expression** in host cell for use in disease therapy and gene therapy
AUTHOR: **WEBSTER M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: WEBSTER M; YAN C; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2002132322 19 Sep 2002
APPLICATION INFO: US 2001-804471 13 Mar 2001
PRIORITY INFO: US 2001-804471 13 Mar 2001; US 2001-804471 13 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-687480 [65]

L21 ANSWER 61 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-06031 BIOTECHDS
TITLE: Novel isolated **human kinase** peptide useful for treating disorder characterized by absence of, in appropriate or unwanted **expression** of the **kinase** protein, and as immunogens to raise antibodies ; vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in drug screening, gene therapy and pharmacogenetics
AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: YE J; YAN C; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2002127683 12 Sep 2002
APPLICATION INFO: US 2001-801876 9 Mar 2001
PRIORITY INFO: US 2001-801876 9 Mar 2001; US 2001-801876 9 Mar 2001
DOCUMENT TYPE: Patent

LANGUAGE: English
OTHER SOURCE: WPI: 2003-028938 [02]

L21 ANSWER 62 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-03137 BIOTECHDS
TITLE: New SR protein-specific **kinase** 2 peptides and nucleic acid sequences, useful as models for developing **human** therapeutic targets, in identifying therapeutic proteins, and in identifying agents that modulate **kinase** activity;
recombinant enzyme protein production and sense and antisense use in gene therapy
AUTHOR: ABU-THREIDEH J; GONG F; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: ABU-THREIDEH J; GONG F; KETCHUM K A; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2002094560 18 Jul 2002
APPLICATION INFO: US 2001-759359 16 Jan 2001
PRIORITY INFO: US 2001-759359 16 Jan 2001; US 2001-759359 16 Jan 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-681805 [73]

L21 ANSWER 63 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-00725 BIOTECHDS
TITLE: New isolated **human kinase** peptide for detecting a modulator of the peptide's **expression**, activity or function, that can be used to treat disorders or disease;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in gene therapy and pharmacogenetics
AUTHOR: GUEGLER K; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: GUEGLER K; KETCHUM K A; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2002082189 27 Jun 2002
APPLICATION INFO: US 2000-731231 7 Dec 2000
PRIORITY INFO: US 2000-731231 7 Dec 2000; US 2000-731231 7 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-598989 [64]

L21 ANSWER 64 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-14117 BIOTECHDS
TITLE: Isolated **human kinase** proteins and encoding nucleic acid molecules, useful for preventing, diagnozing and treating **kinase**-related disorders;
vector **expression** in host cell, gene chip, transgenic animal, antisense and DNA probe for disease diagnosis, gene therapy and vaccine
AUTHOR: YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 2002025570 28 Feb 2002
APPLICATION INFO: US 2000-962276 9 Jun 2000
PRIORITY INFO: US 2001-962276 26 Sep 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-280095 [32]

L21 ANSWER 65 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-00711 BIOTECHDS
TITLE: Isolated **human** SNF-**kinase** polynucleotides, useful for preventing, diagnosing and treating e.g. cancer, inflammation, immune disorders and

disorders affecting growth and development;
recombinant enzyme protein production and sense and antisense sequence use in disease therapy and gene therapy

AUTHOR: GUEGLER K; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6410294 25 Jun 2002
APPLICATION INFO: US 2000-734673 13 Dec 2000
PRIORITY INFO: US 2000-734673 13 Dec 2000; US 2000-734673 13 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-588889 [63]

L21 ANSWER 66 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-19955 BIOTECHDS
TITLE: An isolated LIM domain **kinase** polypeptide useful as a model for developing **human** therapeutic targets, to aid in identification of therapeutics and to serve as targets for developing **kinase** activity modulators in cells;
recombinant enzyme protein production for use in disease therapy and diagnosis

AUTHOR: **YAN C**; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6403353 11 Jun 2002
APPLICATION INFO: US 2001-978197 22 Mar 2001
PRIORITY INFO: US 2001-978197 17 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-536038 [57]

L21 ANSWER 67 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-17807 BIOTECHDS
TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein **kinases**, useful for preventing diagnosing and treating e.g. cancers, psoriasis and inflammation;
recombinant protein production by vector-mediated gene transfer and **expression** in host cell, useful for gene therapy

AUTHOR: YE J; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6387677 14 May 2002
APPLICATION INFO: US 2001-800960 8 Mar 2001
PRIORITY INFO: US 2001-800960 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-478444 [51]

L21 ANSWER 68 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-15979 BIOTECHDS
TITLE: Nucleic acids encoding **human** phospholipase-D (PLD) proteins, useful for preventing, diagnosing and treating PLD-mediated disorders;
recombinant enzyme protein and sense and antisense gene use in disease therapy and gene therapy

AUTHOR: **BEASLEY E M**; **YAN C**; DI FRANCESCO V
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6368842 9 Apr 2002
APPLICATION INFO: US 2000-801052 15 Dec 2000
PRIORITY INFO: US 2001-801052 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English

OTHER SOURCE: WPI: 2002-370698 [40]

L21 ANSWER 69 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-07016 BIOTECHDS
TITLE: Nucleic acids encoding a proto-oncogene tyrosine **kinase**, useful for the prevention, diagnosis and treatment of e.g. leukemia and lung tumors; tyrosine-**kinase** gene transfer by vector **expression** in host cell for cancer gene therapy
AUTHOR: GAN W; YE J; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6340584 22 Jan 2002
APPLICATION INFO: US 2001-817180 27 Mar 2001
PRIORITY INFO: US 2001-817180 27 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-138497 [18]

L21 ANSWER 70 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-11649 BIOTECHDS
TITLE: New nucleic acid encoding a **human kinase** protein useful for, e.g., monitoring the effectiveness of modulating compounds on the **expression** or activity of the **kinase** gene; **recombinant** protein production, antisense DNA, ribozyme and modulator drug screening, useful for gene therapy, diagnosis and **expression** profiling
AUTHOR: **YAN C**; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6340583 22 Jan 2002
APPLICATION INFO: US 2001-813817 22 Mar 2001
PRIORITY INFO: US 2001-813817 22 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-224925 [28]

L21 ANSWER 71 OF 95 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:941845 HCAPLUS
DOCUMENT NUMBER: 138:21334
TITLE: Protein, gene and cDNA sequences of a novel **human** protein **kinase** related to serine/threonine **kinase** and their uses in drug screening
INVENTOR(S): Yan, Chunhua; Li, Zhenya; Neelam, Beena; **Difrancesco, Valentina**; Beasley, Ellen M.
PATENT ASSIGNEE(S): PE Corporation (Ny), USA
SOURCE: U.S., 107 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6492156	B1	20021210	US 2001-984890	20011031
US 2003232408	A1	20031218	US 2002-274194	20021021
US 6706511	B2	20040316		
WO 2003038115	A2	20030508	WO 2002-US34869	20021031
WO 2003038115	A3	20040122		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1451310 A2 20040901 EP 2002-793863 20021031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
US 2004137499 A1 20040715 US 2004-760407 20040121
PRIORITY APPLN. INFO.: US 2001-984890 A3 20011031
US 2002-274194 A3 20021021
WO 2002-US34869 W 20021031
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 72 OF 95 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:921847 HCAPLUS
DOCUMENT NUMBER: 138:21347
TITLE: Identification, **cloning**, characterization and cDNA and genomic sequences of a **human** thymidylate **kinase** subfamily member
INVENTOR(S): Wei, Ming-Hui; Ketchum, Karen A.; Beasley, Ellen M.; **Difrancesco, Valentina**
PATENT ASSIGNEE(S): PE Corporation (NY), USA
SOURCE: U.S., 49 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6489153	B1	20021203	US 2001-984880	20011031
US 2003087294	A1	20030508	US 2002-277032	20021022
US 6664087	B2	20031216		
WO 2003048303	A2	20030612	WO 2002-US34872	20021031
WO 2003048303	A3	20040122		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1451312 A2 20040901 EP 2002-804411 20021031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
US 2004081999 A1 20040429 US 2003-681223 20031009
PRIORITY APPLN. INFO.: US 2001-984880 A3 20011031
US 2002-277032 A3 20021022
WO 2002-US34872 W 20021031
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 73 OF 95 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 2002:942621 SCISEARCH
THE GENUINE ARTICLE: 615QM
TITLE: Fluid shear stress activates proline-rich tyrosine **kinase** via reactive oxygen species-dependent pathway
AUTHOR: Tai L K; Okuda M; Abe J; **Yan C**; Berk B C (Reprint)
CORPORATE SOURCE: Univ Rochester, Dept Med, Cardiovasc Res Ctr, Box MED, Rochester, NY 14642 USA (Reprint); Univ Rochester, Dept Med, Cardiovasc Res Ctr, Rochester, NY 14642 USA; Kobe Univ, Grad Sch Med, Div Cardiovasc & Resp Med, Kobe, Hyogo, Japan
COUNTRY OF AUTHOR: USA; Japan
SOURCE: ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, (NOV 2002) Vol. 22, No. 11, pp. 1790-1796.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.
ISSN: 1079-5642.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 45
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L21 ANSWER 74 OF 95 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 2002291261 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12031798
TITLE: An inhibitor of c-jun aminoterminal **kinase** (SP600125) represses c-Jun activation, DNA-binding and PMA-inducible 92-kDa type IV collagenase **expression**
.
AUTHOR: Shin M; **Yan C**; Boyd D
CORPORATE SOURCE: MD Anderson Cancer Center, Department of Cancer Biology, Box 179, 1515 Holcombe Blvd., Houston, TX 77030, USA.
CONTRACT NUMBER: P50 DE11906-01 (NIDCR)
R01 CA58311 (NCI)
R01 DE10845 (NIDCR)
SOURCE: Biochimica et biophysica acta, (2002 May 8) 1589 (3) 311-6.
Journal code: 0217513. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200208
ENTRY DATE: Entered STN: 20020529
Last Updated on STN: 20020829
Entered Medline: 20020827

L21 ANSWER 75 OF 95 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 2002:490439 SCISEARCH
THE GENUINE ARTICLE: 559QY
TITLE: Atheroprotective mechanisms activated by fluid shear stress in endothelial cells
AUTHOR: Berk B C (Reprint); Min W; **Yan C**; Surapisitchat J; Liu Y M; Hoefen R
CORPORATE SOURCE: Univ Rochester, Cardiovasc Res Ctr, Rochester, NY 14642 USA; Univ Washington, Dept Pharmacol, Seattle, WA 98195 USA
COUNTRY OF AUTHOR: USA
SOURCE: DRUG NEWS & PERSPECTIVES, (APR 2002) Vol. 15, No. 3, pp. 133-139.
Publisher: PROUS SCIENCE, SA, PO BOX 540, PROVENZA 388, 08025 BARCELONA, SPAIN.

ISSN: 0214-0934.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 64
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L21 ANSWER 76 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-06172 BIOTECHDS
TITLE: New isolated **human kinase** proteins and nucleic acids, useful as a major target for drug action and development, particularly for screening modulators of the **kinase** peptides;
recombinant protein gene production via plasmid **expression** in host cell useful in gene therapy and drug screening
AUTHOR: GUEGLER K; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2001092496 6 Dec 2001
APPLICATION INFO: WO 2000-US17510 1 Jun 2000
PRIORITY INFO: US 2000-738894 18 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-130533 [17]

L21 ANSWER 77 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-07499 BIOTECHDS
TITLE: New calmodulin-binding **kinase** peptides and nucleic acid encoding the peptides, useful as models for developing **human** therapeutic targets or in screening for compounds that modulate **kinase**;
human recombinant enzyme production useful for drug target, drug screening, and ribozyme and antisense gene therapy
AUTHOR: **YAN C**; WEI M; KETCHUM K; MERKULOV G; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2001092492 6 Dec 2001
APPLICATION INFO: WO 2000-US17327 30 May 2000
PRIORITY INFO: US 2000-734030 12 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-097770 [13]

L21 ANSWER 78 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-06121 BIOTECHDS
TITLE: **Human kinase** proteins and nucleic acids encoding the proteins, useful for developing **human** therapeutic targets, or for treating a disorder characterized by an absence, inappropriate, or unwanted **expression** of the protein;
vector-mediated gene transfer, **expression** in host cell, antisense oligonucleotide, antibody and transgenic animal for **recombinant** protein production, drug screening and disease therapy or genetherapy
AUTHOR: WEI M; ZHU S; WOODAGE T; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2001090328 29 Nov 2001
APPLICATION INFO: WO 2000-US16760 24 May 2000
PRIORITY INFO: US 2000-691861 18 Oct 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-075372 [10]

L21 ANSWER 79 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-07405 BIOTECHDS
TITLE: **Human kinase** protein and polynucleotides encoding them, useful for identifying modulators of **kinase** polypeptides and for treating, preventing, and/or diagnosing neurodegenerative diseases and cancer; vector-mediated **recombinant** protein gene transfer and **expression** in host cell, DNA probe, antibody, DNA chip and transgenic animal for disease prevention, diagnosis and gene therapy
AUTHOR: WEI M; CHANDRAMOULISWARA I; YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: WO 2001088148 22 Nov 2001
APPLICATION INFO: WO 2000-US15776 17 May 2000
PRIORITY INFO: US 2001-816094 26 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-089857 [12]

L21 ANSWER 80 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-08365 BIOTECHDS
TITLE: **Human** extracellular signal-regulated **kinase** polypeptides and nucleic acids, useful for the prevention, diagnosis and treatment of e.g. inflammation, cancer, arteriosclerosis, and psoriasis; vector-mediated gene transfer, **expression** in host cell, antisense oligonucleotide and transgenic animal for **recombinant** protein production, drug screening, vaccine and gene therapy
AUTHOR: **YAN C**; ABU-THREIDEH J; SHAO W; MERKULOV G V; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: YAN C; ABU-THREIDEH J; SHAO W; MERKULOV G V; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2001053844 20 Dec 2001
APPLICATION INFO: US 2000-739455 6 Jun 2000
PRIORITY INFO: US 2000-739455 19 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-097128 [13]

L21 ANSWER 81 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-06077 BIOTECHDS
TITLE: New isolated **human** protein **kinase**, useful for identification of specific therapeutic modulators, also related nucleic acid and antibodies; vector-mediated protein-**kinase** gene transfer, **expression** in host cell, antibody, DNA chip, transgenic animal for **recombinant** protein production, drug screening, genotyping, pharmacogenomics and disease diagnosis, therapy andgene therapy
AUTHOR: WEI M; GUEGLER K; KETCHUM K A; MERKULOV G V; WOODAGE T; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: WEI M; GUEGLER K; KETCHUM K A; MERKULOV G V; WOODAGE T; DI FRANCESCO V; BEASLEY E M
PATENT INFO: US 2001051360 13 Dec 2001
APPLICATION INFO: US 2000-732025 6 Jun 2000
PRIORITY INFO: US 2000-732025 8 Dec 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-121418 [16]

L21 ANSWER 82 OF 95 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-08356 BIOTECHDS
TITLE: New isolated **human kinase** proteins useful for the prevention, diagnosis and treatment of **kinase** -related disorders;
vector-mediated gene transfer and **expression** in host cell for **recombinant** protein production and gene therapy
AUTHOR: YE J; KETCHUM K A; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6323016 27 Nov 2001
APPLICATION INFO: US 2000-799345 9 Jun 2000
PRIORITY INFO: US 2001-799345 6 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-096591 [13]

L21 ANSWER 83 OF 95 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2001286971 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11139578
TITLE: Molecular **cloning** of mouse ERK5/BMK1 splice variants and characterization of ERK5 functional domains.
AUTHOR: **Yan C**; Luo H; Lee J D; Abe J; Berk B C
CORPORATE SOURCE: Center for Cardiovascular Research, University of Rochester School of Medicine and Dentistry, Rochester, New York 14642, USA.
CONTRACT NUMBER: HL18645 (NHLBI)
HL49192 (NHLBI)
T32HL07828 (NHLBI)
SOURCE: Journal of biological chemistry, (2001 Apr 6) 276 (14) 10870-8. Electronic Publication: 2001-01-03.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF126159; GENBANK-AF126160; GENBANK-AF126161
ENTRY MONTH: 200105
ENTRY DATE: Entered STN: 20010529
Last Updated on STN: 20030105
Entered Medline: 20010524

L21 ANSWER 84 OF 95 MEDLINE on STN
ACCESSION NUMBER: 2001562021 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11641782
TITLE: Apoptosis in the absence of caspase 3.
AUTHOR: Liang Y; **Yan C**; Schor N F
CORPORATE SOURCE: Pediatric Center for Neuroscience, Children's Hospital of Pittsburgh, 3460 Fifth Avenue, Pittsburgh, PA 15213, USA.
CONTRACT NUMBER: R01-CA74289 (NCI)
SOURCE: Oncogene, (2001 Oct 4) 20 (45) 6570-8.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200111
ENTRY DATE: Entered STN: 20011022
Last Updated on STN: 20011105
Entered Medline: 20011101

L21 ANSWER 85 OF 95 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 2001292193 MEDLINE

DOCUMENT NUMBER: PubMed ID: 11353829
TITLE: Fluid shear stress inhibits TNF-alpha activation of JNK but not ERK1/2 or p38 in **human** umbilical vein endothelial cells: Inhibitory crosstalk among MAPK family members.
AUTHOR: Surapisitchat J; Hoefen R J; Pi X; Yoshizumi M; **Yan C**; Berk B C
CORPORATE SOURCE: Department of Medicine, Center for Cardiovascular Research, University of Rochester School of Medicine and Dentistry, Rochester, NY 14642, USA.
CONTRACT NUMBER: PO1-HL18645 (NHLBI)
T32 GM07356 (NIGMS)
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (2001 May 22) 98 (11) 6476-81. Electronic Publication: 2001-05-15.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200107
ENTRY DATE: Entered STN: 20010723
Last Updated on STN: 20030105
Entered Medline: 20010719

L21 ANSWER 86 OF 95 MEDLINE on STN DUPLICATE 7
ACCESSION NUMBER: 2001512910 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11560856
TITLE: p160 Bcr mediates platelet-derived growth factor activation of extracellular signal-regulated **kinase** in vascular smooth muscle cells.
AUTHOR: Che W; Abe J; Yoshizumi M; Huang Q; Glassman M; Ohta S; Melaragno M G; Poppa V; **Yan C**; Lerner-Marmarosh N; Zhang C; Wu Y; Arlinghaus R; Berk B C
CORPORATE SOURCE: Center for Cardiovascular Research, University of Rochester, Rochester, NY, USA.
CONTRACT NUMBER: HL-44721 (NHLBI)
HL-49192 (NHLBI)
HL-61319 (NHLBI)
SOURCE: Circulation, (2001 Sep 18) 104 (12) 1399-406.
Journal code: 0147763. ISSN: 1524-4539.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200110
ENTRY DATE: Entered STN: 20010919
Last Updated on STN: 20011008
Entered Medline: 20011004

L21 ANSWER 87 OF 95 MEDLINE on STN DUPLICATE 8
ACCESSION NUMBER: 2001191863 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11060311
TITLE: KiSS-1 represses 92-kDa type IV collagenase **expression** by down-regulating NF-kappa B binding to the promoter as a consequence of Ikappa Balpha -induced block of p65/p50 nuclear translocation.
AUTHOR: **Yan C**; Wang H; Boyd D D
CORPORATE SOURCE: Department of Cancer Biology, MD Anderson Cancer Center, Houston, Texas 77030, USA.
CONTRACT NUMBER: P50 DE11906-01 (NIDCR)
R01 CA58311 (NCI)
R01 DE10845 (NIDCR)

SOURCE: Journal of biological chemistry, (2001 Jan 12) 276 (2) 1164-72.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200104
ENTRY DATE: Entered STN: 20010410
Last Updated on STN: 20020919
Entered Medline: 20010405

L21 ANSWER 88 OF 95 MEDLINE on STN
ACCESSION NUMBER: 2001369894 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11295133
TITLE: **Expression** of tumor suppressor genes p16, p21 and p53 in a pair of lung adenocarcinoma cell lines with different metastasis potentials: Anip973 and AGZY83-a.
AUTHOR: Wang B; **Yan C**; Wu Y; Gao H; Wang Q; Jin Y; Huang C; Zhang G; Fu S; Li P
CORPORATE SOURCE: Department of Medical Genetics, Harbin Medical University, Harbin, Heilongjiang 150086 P. R. China.. fusb@ems.hrbmu.edu.cn
SOURCE: Zhonghua yi xue yi chuan xue za zhi = Zhonghua yixue yichuanxue zazhi = Chinese journal of medical genetics, (2001 Apr) 18 (2) 128-31.
Journal code: 9425197. ISSN: 1003-9406.
PUB. COUNTRY: China
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Chinese
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200106
ENTRY DATE: Entered STN: 20010702
Last Updated on STN: 20010702
Entered Medline: 20010628

L21 ANSWER 89 OF 95 MEDLINE on STN DUPLICATE 9
ACCESSION NUMBER: 2002069990 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11795313
TITLE: Endothelial atheroprotective and anti-inflammatory mechanisms.
AUTHOR: Berk B C; Abe J I; Min W; Surapisitchat J; **Yan C**
CORPORATE SOURCE: Department of Medicine, Center for Cardiovascular Research, University of Rochester, New York 14642, USA.. bradford_berk@urmc.rochester.edu
SOURCE: Annals of the New York Academy of Sciences, (2001 Dec) 947 93-109; discussion 109-11. Ref: 75
Journal code: 7506858. ISSN: 0077-8923.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200202
ENTRY DATE: Entered STN: 20020125
Last Updated on STN: 20020202
Entered Medline: 20020201

L21 ANSWER 90 OF 95 MEDLINE on STN DUPLICATE 10
ACCESSION NUMBER: 2000506421 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11055983
TITLE: Cyclophilin A is a secreted growth factor induced by

oxidative stress.
AUTHOR: Jin Z G; Melaragno M G; Liao D F; **Yan C**; Haendeler J; Suh Y A; Lambeth J D; Berk B C
CORPORATE SOURCE: Center for Cardiovascular Research, University of Rochester, Rochester, NY, USA.
CONTRACT NUMBER: CA84138 (NCI)
HL44721 (NHLBI)
HL49192 (NHLBI)
SOURCE: Circulation research, (2000 Oct 27) 87 (9) 789-96.
Journal code: 0047103. ISSN: 1524-4571.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200012
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010521
Entered Medline: 20001207

L21 ANSWER 91 OF 95 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 1999107862 EMBASE
TITLE: pp60(v-src) induction of cyclin D1 requires collaborative interactions between the extracellular signal-regulated **kinase**, p38, and Jun **kinase** pathways: A role for cAMP response element-binding protein and activating transcription factor-2 in pp60(v-src) signaling in breast cancer cells.
AUTHOR: Lee R.J.; Albanese C.; Stenger R.J.; Watanabe G.; Inghirami G.; Haines III G.K.; **Webster M.**; Muller W.J.; Brugge J.S.; Davis R.J.; Pestell R.G.
CORPORATE SOURCE: R.G. Pestell, Albert Einstein Cancer Center, Dept. of Medicine, Albert Einstein College of Medicine, 1300 Morris Park Ave., Bronx, NY 10461, United States. pestell@aecom.yu.edu
SOURCE: Journal of Biological Chemistry, (12 Mar 1999) 274/11 (7341-7350).
Refs: 86
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L21 ANSWER 92 OF 95 MEDLINE on STN DUPLICATE 11
ACCESSION NUMBER: 2002049380 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11776827
TITLE: Protein tyrosine **kinase** inhibitor genistein suppresses in vitro invasion of HT1080 **human** fibrosarcoma cells.
AUTHOR: **Yan C**; Han R
CORPORATE SOURCE: Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing 100050.
SOURCE: Zhonghua zhong liu za zhi [Chinese journal of oncology], (1999 May) 21 (3) 171-4.
Journal code: 7910681. ISSN: 0253-3766.
PUB. COUNTRY: China
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Chinese
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20020125

Last Updated on STN: 20020131
Entered Medline: 20020130

L21 ANSWER 93 OF 95 MEDLINE on STN DUPLICATE 12
ACCESSION NUMBER: 1998352086 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9685399
TITLE: Reciprocal regulation of neu tyrosine **kinase** activity and caveolin-1 protein **expression** in vitro and in vivo. Implications for **human** breast cancer.
AUTHOR: Engelman J A; Lee R J; Karnezis A; Bearss D J; **Webster M**; Siegel P; Muller W J; Windle J J; Pestell R G; Lisanti M P
CORPORATE SOURCE: Department of Molecular Pharmacology, Albert Einstein Cancer Center, Albert Einstein College of Medicine, Bronx, New York 10461, USA.
CONTRACT NUMBER: 5-P30-CA13330-26 (NCI)
GM-50443 (NIGMS)
T32-GM07288 (NIGMS)
+
SOURCE: Journal of biological chemistry, (1998 Aug 7) 273 (32) 20448-55.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199809
ENTRY DATE: Entered STN: 19980917
Last Updated on STN: 20000303
Entered Medline: 19980910

L21 ANSWER 94 OF 95 MEDLINE on STN DUPLICATE 13
ACCESSION NUMBER: 97362213 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9211870
TITLE: Protein **kinase** A activation of the surfactant protein B gene is mediated by phosphorylation of thyroid transcription factor 1.
AUTHOR: **Yan C**; Whitsett J A
CORPORATE SOURCE: Children's Hospital Medical Center, Divisions of Neonatology and Pulmonary Biology, The Children's Hospital Research Foundations, Cincinnati, Ohio 45229-3039, USA.
CONTRACT NUMBER: HL38859 (NHLBI)
HL51832 (NHLBI)
SOURCE: Journal of biological chemistry, (1997 Jul 11) 272 (28) 17327-32.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199708
ENTRY DATE: Entered STN: 19970825
Last Updated on STN: 19970825
Entered Medline: 19970814

L21 ANSWER 95 OF 95 MEDLINE on STN
ACCESSION NUMBER: 96027579 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7559607
TITLE: Upstream enhancer activity in the **human** surfactant protein B gene is mediated by thyroid transcription factor 1.
AUTHOR: **Yan C**; Sever Z; Whitsett J A

CORPORATE SOURCE: Children's Hospital Medical Center, Division of Pulmonary Biology, Cincinnati, Ohio 45229-3039, USA.
CONTRACT NUMBER: HL38859 (NHLBI)
HL51832 (NHLBI)
SOURCE: Journal of biological chemistry, (1995 Oct 20) 270 (42) 24852-7.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199511
ENTRY DATE: Entered STN: 19951227
Last Updated on STN: 19951227
Entered Medline: 19951121

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(FILE 'HOME' ENTERED AT 10:08:35 ON 22 MAR 2005)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 10:09:02 ON 22 MAR 2005

L1	1297642	S	KINASE?
L2	2521	S	RHO (2W)RAC
L3	1146	S	L1 AND L2
L4	438	S	HUMAN AND L3
L5	6982197	S	CLON? OR EXPRESS? OR RECOMBINANT
L6	214	S	L4 AND L5
L7	107		DUP REM L6 (107 DUPLICATES REMOVED)
L8	1579	S	CITRON
L9	6	S	L7 AND L8
		E	WEBSTER M/AU
L10	852	S	E3
		E	YAN C/AU
L11	1111	S	E3
		E	DIFRANCESCO V/AU
L12	117	S	E3-E4
		E	BEASLEY E M/AU
L13	324	S	E3
L14	2248	S	L10 OR L11 OR L12 OR L13
L15	0	S	L3 AND L14
L16	0	S	L2 AND L15
L17	3	S	L2 AND L14
L18	482974	S	L1 AND HUMAN
L19	241097	S	L5 AND L18
L20	116	S	L14 AND L19
L21	95		DUP REM L20 (21 DUPLICATES REMOVED)

	L #	Hits	Search Text
1	L1	326	rho adj3 rac
2	L2	1711	citron
3	L3	57646	kinase$2
4	L4	17	l1 adj4 l2
5	L5	17	l3 same l4
6	L6	715409	clon$3 or express$3 or recombinant
7	L7	9	l5 same l6
8	L8	45452	YAN DIFRANCESCO BEASLEY WEBSTER
9	L9	9	l4 and l8

	Issue Date	Pages	Document ID	Title
1	20041007	86	US 20040197825 A1	Methods and compositions for treating urological disorders using 44390, 54181, 211, 5687, 884, 1405, 636, 4421, 5410, 30905, 2045, 16405, 18560, 2047, 33751, 52872, 14063, 20739, 32544, 43239, 44373, 51164, 53010, 16852, 1587, 2207, 22245, 2387, 52908, 69112, 14990, 18547, 115, 579, 15985, 15625, 760, 18603, 2395, 2554, 8675, 32720, 4809, 14303, 16816, 17827, 32620, 577, 619, 1423, 2158, 8263, 15402, 16209, 16386, 21165, 30911, 41897, 1643, 2543, 9626, 13231, 32409, 84260, 2882, 8203, 32678, or 55053
2	20041007	190	US 20040197792 A1	Novel Kinases
3	20040513	207	US 20040091993 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
4	20040318	144	US 20040053394 A1	Human kinases
5	20040304	207	US 20040043926 A1	Novel proteins and nucleic acids encoding same
6	20040226	395	US 20040038223 A1	Novel proteins and nucleic acids encoding same
7	20040205	144	US 20040023242 A1	Human kinases

	Issue Date	Pages	Document ID	Title
8	20040129	241	US 20040018189 A1	Nucleic acid and corresponding protein entitled 121P2A3 useful in treatment and detection of cancer
9	20031127	103	US 20030220224 A1	Novel polynucleotides encoding the human citron kinase polypeptide, BMSNKC_0020/0021
10	20030227	122	US 20030040089 A1	Protein-protein interactions in adipocyte cells
11	20030130	207	US 20030022340 A1	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
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16	20040120	202	US 6680188 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
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8	20040120	202	US 6680188 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof
9	20021112	202	US 6479269 B2	Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof